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**STATE OF TENNESSEE
DEPARTMENT OF HEALTH AND ENVIRONMENT
NASHVILLE**

**Annual Bulletin
of
VITAL STATISTICS
FOR THE YEAR
1980**

Hon. Lamar Alexander
Governor of Tennessee

James E. Word
Commissioner

This report was partially supported by contract number HRA 233-79-2059 awarded by the U.S. Department of Health and Human Services in support of the Cooperative Health Statistics System of the National Center for Health Statistics. However, no official endorsement or reflection of the views of the Department should be inferred.

Authorization No. 0794 (Rev. 6-83)

Ambrose Printing Co.
210 Cumberland Bend
Nashville, Tn. 37202

No. of Copies 725

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VITAL STATISTICS — 1980

STATE OF TENNESSEE

INTRODUCTION

Data from vital records for Tennessee for 1980 are given in this *Vital Statistics Bulletin*, the 54th in a series of annual reports. Data regarding births and deaths are now available for the State for 64 consecutive years, 1917-1980. Reports of births, fetal deaths, total deaths, and deaths by specific causes for counties and certain cities of the State are in manuscript form for the 10 years, 1917-1926. Beginning with 1946, data regarding marriages and divorces are included in the Bulletins. Although data regarding induced terminations of pregnancy performed in Tennessee are first available beginning with July 1973, the *Vital Statistics Bulletin* for 1978 is the first to include such data. (See page 8, item 4). A separate, detailed report regarding induced terminations of pregnancy was first published for the calendar years 1974-75 (and was followed by a report for 1976-1977 and one for 1978, 1979, and 1980).

An analysis of the vital statistics of Tennessee for the year 1980 is given in the Discussion of Vital Statistics of this Bulletin. Following the analysis, summary tables are presented for the State for the 20 years 1961-1980 inclusive and also detailed tables for 1980 for the State, the 95 counties, the cities with populations of 10,000 or more according to the 1970 Census, and the 9 health department regions into which the State is divided (see Figure 1).

Since resident data (by place of residence) are considered preferable to recorded data (by place of birth or death), resident data for births and deaths have been given for the State, for the counties, and for the cities beginning with the 1949 Bulletin and for the nine health department regions beginning with the 1972 annual report. Prior to 1949, recorded data were given in summary tables for the State. For the cities and counties, both recorded and resident data were given for deaths for 1933-1948 and for births for 1934-1948. The numbers of births and deaths with rates according to place of occurrence in 1980 are given in Table X.

The data in this Bulletin include all vital events occurring during 1980 which were reported to the Center for Health Statistics of the Tennessee Department of Health and Environment as of March 31, 1981.

INTERPRETATION

Many factors must be considered for the correct interpretation of vital statistics. Completeness of registration is one of these factors. According to the 1950 birth registration test, 96.7 percent of the births reported to census enumerators for the 3 months January-March 1950 were registered. In the previous check in 1940, only 80.4 percent were registered. With the increased use of hospitals for delivery, it is estimated that 99 percent of the births in

Tennessee are now being registered. However, there remain a few areas in the State where the registration of both births and deaths may not be complete. Also, characteristics peculiar to a certain area, such as proximity to a military base, affect the vital statistics of that area. In addition, knowledge of the racial and age composition of the population is important for proper interpretation.

The methods of collection and presentation of data are as follows:

1. The Tennessee Vital Records Act as amended in 1977 requires the physician, midwife, or other person attending a birth to file a birth certificate with the Office of Vital Records within 10 days after birth. The funeral director, or person burying a body, is responsible for filing a death certificate within 5 days after death. A representative of the local health department usually serves as the local registrar and a clerk of that department as a deputy registrar to carry out registration procedures locally. The certificates are forwarded to the Tennessee Department of Health and Environment weekly by the four metropolitan counties and semi-monthly by the other counties. Tennessee was admitted to the Death Registration Area in 1917 and to the Birth Registration Area in 1927.

2. Since July 1, 1945, certificates of marriage and divorce have been required to be filed with the Tennessee Department of Health and Environment. Persons to be married obtain from the county court clerk, in addition to the marriage license, a certificate of marriage which is signed by both applicants in the presence of the county court clerk issuing the marriage license. This certificate is taken to the officiant who completes and returns it to the county court clerk within 3 days after the marriage. The county court clerk sends the completed certificates to the state registrar monthly. Tennessee was one of the states admitted to the Marriage Registration Area at the time of its establishment in 1957.

The clerk of the court in which a divorce is granted is responsible for filing a certificate of the divorce decree (or annulment of marriage) issued by his court. The Divorce Registration Area was established in 1958 with Tennessee included in the area.

3. The Tennessee Vital Records Act of 1977 (which became effective January 1, 1978) requires that fetal deaths occurring in Tennessee and meeting a certain criterion should be reported directly to the Office of Vital Records of the Tennessee Department of Health and Environment within 10 days after delivery and should be filed as statistical reports rather than as certificates. (The previous law required registration, as for deaths, of fetal deaths of 20 weeks or more gestation.) Under the new law, to be reported as a fetal death, the fetus must be of 20 completed weeks or more

gestation or weigh 350 grams or more. If the fetal death occurs in an institution, the report should be prepared by the person in charge or his designated representative; if the fetal death occurs outside an institution, the report should be prepared by the physician in attendance or by the medical examiner in the absence of medical attendance.

The General Assembly of the State of Tennessee amended the Vital Records Act of 1977 in regard to the reporting criterion for a fetal death; as of April 12, 1979, a fetal death of 500 grams or more, or, in the absence of weight, of 22 completed weeks of gestation or more which is not alive at delivery is reportable. Because of this new reporting criterion, caution should be exercised in making any comparison of fetal death statistics for 1980 with those for previous years.

4. In May 1973, the Tennessee Legislature amended the State law regarding induced abortion to comply with the United States Supreme Court's decision which provided that the only legal restriction on first trimester abortions was that the procedure be performed by or under the direction of a licensed physician and that the individual states should regulate induced abortion following the first trimester of pregnancy. The new Tennessee law provided that second trimester abortions must be performed in hospitals and that third trimester procedures be allowed only to preserve the life or health of the mother. (Prior to this legislation induced abortions were illegal in Tennessee except to preserve the life of the mother.) In addition, the new State law required that all induced abortions be reported to the Commissioner of Health and Environment. Accordingly in July 1973, the Tennessee Department of Health and Environment initiated the use of the Induced Abortion Report form to collect basic statistical data (no identifying information) on each induced abortion performed in Tennessee. This report form which was used through 1977 was filed and processed monthly in the Center for Health Statistics of the Department.

The Vital Records Act of 1977 stated that each induced termination of pregnancy which occurred in Tennessee should be reported to the Office of Vital Records within 10 days after the procedure. Thus, as a result of a procedural change in reporting (but no change in the definition of the event), induced terminations of pregnancy became a part of the reporting system of vital events in Tennessee in 1978.

5. The certificates for registration of births, deaths, marriages, and divorces and the reports for fetal deaths and induced terminations of pregnancy were revised effective January 1, 1978. This revision was made in accordance with recommendations of the National Center for Health Statistics and is part of a program which periodically assesses the adequacy of current vital records to fulfill the various purposes in public health and related fields. The previous general revision of certificates was in 1968.

6. The medical portion of the death certificate is filled out by the physician who attended the deceased in his last

illness. The 1961 Legislature passed the Post-Mortem Examination Act which provides for county medical examiners who investigate deaths which occur without medical attendance or under suspicious, unusual, or unnatural circumstances. The availability of medical facilities affects the quality of vital statistics and should be considered in comparing death rates from specific causes.

7. In 1949, the form for medical certification was changed to the international form recommended by the Sixth Decennial International Revision Conference and the World Health Organization. This form of medical certificates has two parts. Part I is for the cause leading directly to death, antecedent conditions, and the underlying cause which is stated last in the sequence of events. Part II is for other significant conditions which were not related to the disease or condition directly causing death. Although the form for medical certification was revised slightly in 1956, 1968, and 1978, the arrangement of data has remained basically the same as on the certificate introduced in 1949.

8. Prior to 1949, the *Manual of Joint Causes of Death* was used for assigning the cause when two or more causes were given on a certificate. The form of medical certificate in use beginning with 1949 places the responsibility for indicating the train of events leading to death on the physician signing the certificate. However, to maintain uniformity, classification rules were developed for use with the certificate, and these rules have been followed in Tennessee.

9. Beginning with 1979 events, the underlying causes of death have been classified under the title numbers of the *Ninth Revision of the International Classification of Diseases*. For the period 1968-1978, data were classified under the title numbers of the *Eighth Revision of the International Classification*; for the 10 years 1958-1967, the *Seventh Revision*, and for the 9 years 1949-1957, the *Sixth Revision* of the same publication was used. For deaths occurring during 1940-1948, data were classified by the rules of the *1938 Revision of the International List* and for the 8 years 1932-1939, by the rules of the *1929 Revision*. Prior to 1932, the 1920 edition of the *International List* was used.

The *Ninth Revision* represents some major changes from the groupings of diseases in the *Seventh* and *Eighth Revisions*. In order to make totally valid comparisons of mortality by cause for events classified by this *Revision* with those classified by the *Seventh* and *Eighth Revisions*, comparability ratios according to race, sex, and age are needed. Such comparability ratios are not available.

In the absence of detailed comparability ratios and because the *Ninth Revision* of the *Classification* created new category titles, some regrouping of deaths by cause for the years prior to 1979 has been made in this Bulletin for 1979 and 1980. Data for selected causes of death given in Tables II and III are shown according to category titles of the *Ninth Revision*. In order to fit as nearly as possible the deaths by cause for the years prior to 1979 into the same categories as those for 1979 and 1980 (and without the application of comparability ratios), a correspondence of code numbers for the *Eighth* and

Ninth Revisions was used. This correspondence is shown below.

Category Title According to Ninth Revision	International Classification Code Numbers	
	Ninth Revision	Eight Revision
Shigellosis and Amebiasis	004.006	004.006
Tuberculosis, All Forms	010-018	010-018
Respiratory System	010-012	010-012
Whooping Cough	033	033
Streptococcal Sore Throat, Scarletina, and Erysipelas	034-035	034-035
Meningococcal Infection	036	036
Viral Encephalitis	049.8-049.9, 062-064	062-065
Measles	055	055
Viral Hepatitis	070	070, E931.1-E931.2, E931.8-E931.9
Rocky Mountain Spotted Fever	082.0	082.0
Syphilis	090-097	090-097
Malignant Neoplasms, All Sites	140-208	140-207
Digestive Organs and Peritoneum	150-159	150-159
Respiratory and Intrathoracic Organs	160-165	160-163, 194.2
Breast	174-175	174
Female Genital Organs	179-184	180-184
Male Genital Organs	185-187	185-187
Diabetes Mellitus	250	250
Diseases of Heart	390-398, 402, 404-429	390-398, 402, 404-429, 450, 782.4
Ischemic Heart Disease	410-414	410-413
Cerebrovascular Disease	430-438	430-438
Atherosclerosis	440	440
Pneumonia	480-486	480-486
Influenza	487	470-474
Chronic Obstructive Pulmonary Disease and Allied Conditions	490-496	490-493, 516.1, 516.2, 518, 519.3
Hernia and Intestinal Obstruction	550-553, 560	550-553, 560
Chronic Liver Disease and Cirrhosis	571	571
Cholelithiasis and Other Disorders of Gallbladder	574-575	574-575
Nephritis, Nephrotic Syndrome and Nephrosis	580-589	580-584
Complications of Pregnancy, Childbirth and the Puerperium	630-676	630-678
Congenital Anomalies	740-759	740-759
Certain Conditions Originating in the Perinatal Period	760-779	760-769.2, 769.4-772, 774-778
Accidents and Adverse Effects	E800-E949	E800-E949
Motor Vehicle Accidents	E810-E825	E810-E823
Suicide	E950-E959	E950-E959
Homicide and Legal Intervention	E960-E978	E960-E978

Caution should be exercised in making any comparison of mortality by cause for deaths for 1979 and 1980 with that for previous years.

10. In order to improve the data on causes of death, physicians signing the death certificates are asked to give additional information for certificates with unsatisfactory terms or incomplete statements of causes of death. Additional information is also obtained regarding the circumstances under which accidental deaths occurred. Supplemental data regarding deaths from motor vehicle accidents are obtained from the Tennessee Department of Safety.

11. Prior to 1972, in addition to the underlying cause of death, as many as two additional causes, one complication and one contributory condition, were coded according to certain rules. Tabulated results of the additional causes for resident deaths were shown in the annual bulletin, *Tennessee Vital Statistics*, for the years 1949-1971. Because of difficulties in interpretation of these data, this coding was discontinued with 1972 events.

12. Resident data are given for the State, for the cities, for the counties, and for the nine health department regions. Resident data are obtained by classifying certificates and reports according to the residence of the deceased for deaths, according to the residence of the mother for births and fetal deaths, according to the residence of the woman for induced terminations of pregnancy, and according to the residence of the bride and groom for marriages.

Copies of death certificates of Tennessee residents dying in other states and copies of certificates of births and reports of fetal deaths occurring in other states to mothers who are residents of Tennessee are forwarded to Tennessee in the interstate transfer of these certificates/reports. Thus, it is possible for each state to derive birth, death, and fetal death statistics relative to its residents. Since at the present time there is no interstate transfer of certificates of marriage and divorce, and at the time that data were collected for this Bulletin, there was no transfer agreement for reports of induced terminations of pregnancy, resident data for these events are incomplete.

Under the rules for residence allocation, the standard geographic allocation of residence for deaths is to the home area of the individual as stated on the certificate. (Prior to 1973, events in long-term facilities, such as mental hospitals, nursing homes, and penal institutions, regardless of length of stay in the facility, were allocated to the place of previous residence. Whenever data are lacking for residence of the deceased, the death is given to the place where the death occurred.) For births, residence is defined to be the usual residence of the mother. For infant deaths, the home area of the child reported on the death certificate is defined as the usual residence of the mother.

Recorded data are obtained by classifying certificates/reports according to the place of birth, death, fetal death, induced termination of pregnancy, marriage, or divorce. For certain purposes, such as knowledge of the numbers of births or deaths in hospitals in cities and counties, recorded data are desirable and are presented in some of the summary tables.

Many residents of the State and of nearby states use the hospitals in the large cities of Tennessee; consequently, the numbers of recorded births and deaths are large in these cities. Resident data, therefore, are preferable to recorded data for comparing birth and death rates of the cities and counties of Tennessee.

DESCRIPTION OF THE STATE OF TENNESSEE AND COMPOSITION OF THE POPULATION

In order to assist in the interpretation of vital statistics, a brief description of the State and of the distribution of its population is given in this section.

Tennessee has a length from east to west of 432 miles on the 36° 30' parallel and an average width from north to south of 109 miles and is bordered by 8 states. Geographically, the State is divided into three parts. East Tennessee is, in general, a mountainous region with the Appalachian Mountains in the extreme eastern section. This section also contains the fertile valley of East Tennessee which lies between the Appalachian Mountains and the Cumberland Plateau, a tableland with an average elevation of 2,000 feet above sea level. Middle Tennessee, which includes a few counties in the western section of the Cumberland Plateau, is bordered on the west by the Tennessee River as it flows north. This section contains the fertile Nashville or Central Basin. West Tennessee is a part of the Gulf Coastal Plain and is bordered by the Tennessee River flowing north and the Mississippi River.

The State is divided into 95 counties which vary in size. In certain sections of the State, the population is sparse.

According to the 1980 Census, in 8 counties, there were less than 30 persons per square mile. These counties are concentrated around the Tennessee River as it flows north and in the Cumberland Plateau Area. There were also 34 counties with only 30-49 persons per square mile. Of the remaining 53 counties, 34 had 50-99 persons per square mile, and 19 had 100 or more persons per square mile. Shelby County with 1,006.6 persons per square mile and Davidson County with 953.7 persons per square mile were the most densely populated counties.

According to the 1980 Census, 3 counties had less than 5,000 population, and 5 counties had 100,000 or more population. Four of the counties with large populations contained the cities of 100,000 or more population: Chattanooga, Knoxville, Memphis, and Nashville. Sullivan County, which contains the cities of Bristol and Kingsport, ranked fifth in population. Figure 1 is a map of Tennessee showing the 95 counties, the 30 cities of 10,000 or more population in 1970, and the 9 health department regions. Table 1 lists these 30 cities and the counties in which they are located. Six of these cities had less than 10,000 population according to the 1960 Census: Cookeville, Gallatin, Humboldt, McMinnville, Millington, and Union City. The 1970 Census was used for the cities in order not to delay publication of this Bulletin.

In Bulletins for years prior to 1963, data are given separately for the City of Nashville and for Davidson County. Effective April 1, 1963, the governments of Nashville and Davidson County merged to form a metropolitan area. Thus, beginning with the 1963 Bulletin, this geographic area has been treated as one entity. In tables which show city and/or county data, "Nashville-Davidson County" is listed with cities of 10,000 or more population, and "Davidson County"

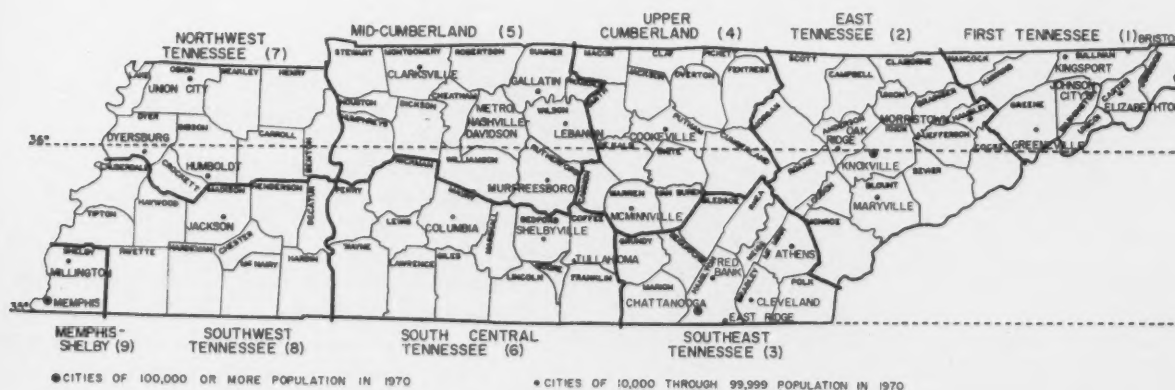


Figure 1. Map of Tennessee Showing the 95 Counties, the 30 Cities of 10,000 or More Population in 1970, and the 9 Health Department Regions

is listed with the counties. Identical data are shown for both.

TABLE 1. CITIES OF 10,000 OR MORE POPULATION FOR COUNTIES OF TENNESSEE, 1970

City	County	City	County
Athens	McMinn	Kingsport	Sullivan
Bristol	Sullivan	Knoxville	Knox
Chattanooga	Hamilton	Lebanon	Wilson
Clarksville	Montgomery	McMinnville	Warren
Cleveland	Bradley	Maryville	Blount
Columbia	Maury	Memphis	Shelby
Cookeville	Putnam	Millington	Shelby
Dyersburg	Dyer	Morristown	Hamblen
East Ridge	Hamilton	Murfreesboro	Rutherford
Elizabethton	Carter	Nashville-Davidson	
Gallatin	Sumner	Oak Ridge	Anderson
Greeneville	Greene	Red Bank	Hamilton
Humboldt	Gibson	Shelbyville	Bedford
Jackson	Madison	Tulahoma	Coffee
Johnson City	Washington	Union City	Obion

The 4 counties with cities of 100,000 or more population in 1970 are classified as "metropolitan" counties for the purpose of this Bulletin. The 22 counties containing cities with populations of 10,000 through 99,999 according to the 1970 Census are designated "intermediate" counties; the remaining 69 counties, none of which had a city of 10,000 or more population, comprise the "rural" counties.

As of April 1, 1980, the official enumerated population of Tennessee from the Census Bureau was 4,591,120. This figure was used for computation of rates per population for the State in this Bulletin. The components of this enumerated population were used for calculation of rates per population for the State by race, sex, and/or age groups. The final enumerated population for cities for 1980 was obtained from the final Census Bureau publications.

The total enumerated population of Tennessee increased from 3,923,687 in 1970 to 4,591,120 in 1980, representing a 17 percent increase. The white population increased by 16 percent (from 3,293,930 to 3,835,452) in this period, and the combined population of those of all other races gained 20 percent, increasing from 629,757 to 755,668. In 1980, the population of those of all other races comprised 16 percent of the State's population, the same as in 1970.

The population of all other races of Tennessee is concentrated primarily in West Tennessee: 58 percent of the State's population of all other races in 1980 were in that area. In fact, 4 out of every 10 (43.9 percent) of persons of all other races of the State lived in Shelby County in which the City of Memphis is located. In two counties in West Tennessee,

Fayette and Haywood, the population of all other races exceeded the white.

Between 1970 and 1980, substantial decreases were experienced in the population 5-14 years of age in both racial groups. This was associated with a decrease in births in the latter part of the 1960's and early 1970's. All of the older age groups in both races showed substantial increases. The greatest percentage gains in population were in the age group 30-34 years for the white population and in ages 25-29 years for those of all other races, where the population almost doubled. The increased populations in these age groups were associated with the relatively high birth rates experienced in the latter part of the 1940's and early 1950's.

DEFINITIONS OF TERMS, RATES, AND RATIOS

Birth Rate — Number of live births per 1,000 population.

Cause-Specific Death Rate — Number of deaths from a specific cause per 100,000 population with the exception of the maternal death rate which is per 10,000 live births.

Crude Death Rate — Number of deaths per 1,000 population.

Divorce Rate — Number of persons divorced per 1,000 population.

Fertility Rate — Number of resident births per 1,000 females 15-44 years of age.

Fetal Death Ratio — Number of fetal deaths per 1,000 live births.

Illegitimate — For live births and fetal deaths, legitimacy item on certificate checked "no".

Illegitimate Birth Rate — Number of illegitimate births per 100 live births.

Induced Abortion — The intentional termination of pregnancy for a purpose other than to produce a live-born infant or to remove a dead fetus.

Induced Abortion Ratio — Number of induced abortions per 1,000 live births.

Infant Death — A death occurring to a live-born infant under one year of age.

Infant Mortality Rate — Number of infant deaths per 1,000 live births.

Live Birth — A birth in which the child shows evidence of life (includes heart action, breathing, or a coordinated movement of a voluntary muscle) after complete birth.

Low-Weight Birth — A live birth weighing less than 2,500 grams or weighing 5 pounds, 8 ounces or less.

Low-Weight Birth Rate — Number of live births weighing less than 2,500 grams or weighing 5 pounds, 8 ounces or less per 100 live births.

Low-Weight Fetal Death — A birth of 500 grams or more, or, in the absence of weight, of 22 completed weeks of gestation or more which is not a live birth and weighs less than 2,500 grams.

Low-Weight Fetal Death Rate — Number of fetal deaths weighing less than 2,500 grams per 100 fetal deaths.

Marriage Rate — Number of persons married per 1,000 population.

Maternal Death — A death due to complications of pregnancy, childbirth and the puerperium (ICD codes 630-676).

Maternal Death Rate — Number of maternal deaths (ICD codes 630-676) per 10,000 live births.

Neonatal Death — A death occurring to a live-born infant under 28 days of age.

Neonatal Mortality Rate — Number of neonatal deaths per 1,000 live births.

Postneonatal Death — A death of an infant 28 days or more but under one year of age.

Postneonatal Mortality Rate — Number of postneonatal deaths per 1,000 live births.

Prenatal Care — A mother is classified as having obtained prenatal care when the certificate of live birth contains information concerning both the month that prenatal care began and the number of prenatal visits.

Race — The terms "white" and "all other races" are used to denote the racial groups. Definitions used for classifying race are those specified by the Bureau of the Census.

Recorded Data — Data compiled according to geographical place where the event occurred without regard to residence. (Recorded data for Tennessee include events which took place within the State, irrespective of the residences of the persons to whom the events occurred.)

Reportable Fetal Death (stillbirth) — A fetal death of 500 grams or more, or, in the absence of weight, of 22 completed weeks of gestation or more. (Note: Induced terminations of pregnancy are excluded from the fetal death count.)

Resident Data — Data compiled according to the usual place of residence of the person to whom the event occurred without regard to the geographical place where the event occurred. For births, infant deaths, and fetal deaths, the residence is defined as the usual place of residence of the mother. (Resident data for Tennessee include events which occurred to residents of the State irrespective of where the events took place.)

Notes:

Death rates for specific causes are not calculated for white or other races populations of less than 5,000.

Percents of less than 0.05 are indicated by 0.0.

Rates based on births are not calculated when the number of births is less than 10.

For definitions of metropolitan, intermediate, and rural classifications of counties, see page 11 of the Introduction.

DISCUSSION OF VITAL STATISTICS, 1980

Births: During 1980, there were 69,102 live births to residents of Tennessee giving a birth rate of 15.1 per 1,000 population. The number of births showed a 1 percent increase over the 68,326 births reported in 1979. The birth rate of 15.1 in 1980 represented a 3 percent decrease from the rate of 15.6 in the preceding year. The 69,102 resident births in 1980 was the largest number since 1971 when 71,202 births were reported. Comparable resident birth data are available for the State beginning with 1934.

In 1980, resident white births numbered 52,967, which represented a 1 percent increase over the 52,303 births in 1979. The birth rate of 13.8 per 1,000 white population in 1980 showed a 2 percent decrease from the rate of 14.1 in 1979. The 16,129 births of all other races in 1980 represented an increase of 1 percent over the 16,021 births in 1979, while the rate of 21.3 for all other races in 1980 was 10 percent lower than the comparable rate of 23.6 in 1979. In 1980, the birth rate for the all other races population was more than one and one-half times the rate for the white population.

The trend of the birth rate by race for the past 20 years is shown in Figure 2. Following the record high rate of 26.7 per 1,000 population for total births in 1947, the birth rate fluctuated slightly until 1955. A steadily declining trend has been observed since that time, interrupted only by increases of 3 percent in 1969 and in 1970, a 5 percent increase in 1977, and a 2 percent increase in 1979. The patterns of the birth rates for the white and the all other races populations have been similar to the trend of the total birth rate, but rates for the all other races population have remained at a level of approximately one and one-half times those for the white.

During the decade 1960-1970, the number of females in the childbearing age (15-44 years) in Tennessee increased by 13 percent primarily as a result of increases in the number of females 15-29 years of age. An estimated 28 percent increase in the number of females 15-44 years of age was experienced between 1970 and 1980, reflecting increases in all ages 15-44 years. On the other hand, the fertility rate (number of resident births per 1,000 females 15-44 years of age) declined from 110 in 1960 to 86 in 1970 to 64 in 1980, showing decreases of 22 and 26 percent, respectively. From 1960 to 1980, Tennessee fertility rates fell 50, 42, and 49 percent for women of ages 20-24, 25-29, and 30-34 years, respectively. Women aged 20 to 34 years accounted for 71 percent of the births in 1960 and 76 percent of the births reported in 1980. Since these women account for the majority of the births each year, their declining fertility rates have had a greater impact

than those for their older counterparts who experienced larger decreases in fertility rates.

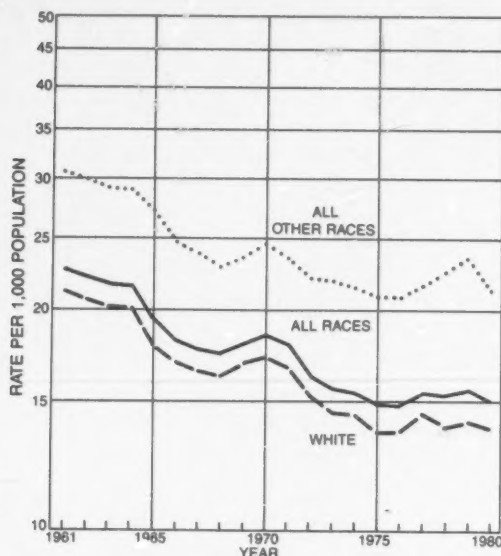


Figure 2. Birth Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1961-1980

Another factor affecting the decreasing fertility rate for women in Tennessee was the shift in the proportion of first births. In 1960, only 28 percent of the births were reported as first births, but by 1980, this proportion had increased to 45 percent. The only other birth order to show an increase in proportion of total births was second order births, from 24 percent in 1960 to 32 percent in 1980. By 1980, the majority or 77 percent of the births were first or second order births. This compared to only 52 percent first and second order births reported in 1960.

For residents of Tennessee in 1980, the birth rate exceeded the crude death rate for a rate of natural increase of 6.2 per 1,000 population (Table 2). The rate of natural increase in 1980 was 9 percent lower than in 1979.

TABLE 2. BIRTH AND DEATH RATES AND RATE OF NATURAL INCREASE PER 1,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1980

	All Races	White	All Other Races
Birth rate	15.1	13.8	21.3
Death rate	8.9	8.7	9.6
Rate of natural increase	6.2	5.1	11.7

For the white population, the rate of natural increase was 5.1 per 1,000 population and for all other races, 11.7. Thus, the rate for all other races was more than twice that for whites.

The 69,102 resident births in 1980 corresponded to an average of 189 births per day (Table 3). The highest daily

average of births, 209, occurred in September; July, with a daily average of 203, ranked second. The month with the lowest average was May with 180 births per day.

TABLE 3. NUMBER OF BIRTHS BY MONTH WITH AVERAGE PER DAY, RESIDENT DATA, TENNESSEE, 1980

Month	Number	Average per day	Month	Number	Average per day
Total	69,102	188.8	June	5,526	184.2
January ..	5,695	183.7	July	6,299	203.2
February ..	5,296	182.6	August ...	6,105	196.9
March	5,603	180.7	September.	6,281	209.4
April	5,463	182.1	October ...	5,854	188.8
May	5,579	180.0	November .	5,618	187.3
			December .	5,783	186.5

Of the 69,102 resident births in 1980, there were 35,745 males, 33,356 females, and 1 with sex unknown. This gives a sex ratio of 1,072 male births to 1,000 female births, compared to a ratio of 1,051 in 1979. In 1980, there were 1,368 resident live births occurring in multiple deliveries: 1,339 births were of twins and 29 births were of triplets. Some of the infants may have died at or before the time of delivery accounting for the inconsistencies in numbers.

Numbers of births according to attendant at delivery in 1980 are shown in Table 4. Of the total resident births, 68,384 or 99.0 percent occurred in hospitals.

TABLE 4. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO ATTENDANT, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Attendant	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	¶69,102	100.0	52,967	100.0	16,129	100.0
In hospital	¶68,384	99.0	52,413	99.0	15,967	99.0
Physician	¶67,300	97.4	51,595	97.4	15,701	97.3
Certified Nurse						
Midwife	1,067	1.5	805	1.5	262	1.6
Nurse-Midwife ..	2	0.0	1	0.0	1	0.0
Midwife	1	0.0	1	0.0	—	—
Other or unspecified . . .	14	0.0	11	0.0	3	0.0
Not in hospital . . .	¶711	1.0	548	1.0	162	1.0
Physician	284	0.4	169	0.3	115	0.7
Certified Nurse						
Midwife	11	0.0	11	0.0	—	—
Nurse-Midwife ..	31	0.0	30	0.1	1	0.0
Midwife	243	0.4	219	0.4	24	0.1
Other or unspecified . . .	¶142	0.2	119	0.2	22	0.1
Unknown facility ..	¶7	0.0	6	0.0	—	—

¶ Includes one or more births with race not stated.

The percentages of total births by race which were delivered in hospitals for the years 1961-1980 are shown in Table 5. For the years 1961-1980 there was a steady increase in the percentage of births in hospitals; the percentage of

total births occurring in hospitals was 92.8 in 1961 in contrast to 99.0 percent in 1980. The greatest increase was among births of all other races, for whom the frequency of hospital delivery increased from 84.4 in 1961 to 99.0 in 1980.

TABLE 5. PERCENTAGE OF BIRTHS OCCURRING IN HOSPITALS, BY RACE, RESIDENT DATA, TENNESSEE, 1961-1980

Year	All Races		All Other Races		Year	All Races		All Other Races	
	White		White			White		White	
1961...	92.8	95.2	84.4		1971...	97.9	98.9	94.6	
1962...	93.0	95.4	84.6		1972...	98.2	99.0	95.1	
1963...	93.5	95.9	85.1		1973...	98.6	99.2	96.1	
1964...	94.1	96.5	85.6		1974...	98.6	99.2	96.7	
1965...	94.5	96.8	86.7		1975...	98.7	99.2	96.8	
1966...	95.2	97.3	87.5		1976...	98.6	99.0	97.4	
1967...	95.6	97.6	88.3		1977...	98.6	98.9	97.5	
1968...	96.4	98.1	90.0		1978...	98.8	98.9	98.2	
1969...	97.0	98.4	91.7		1979...	98.8	98.9	98.6	
1970...	97.6	98.7	93.3		1980...	99.0	99.0	99.0	

Table 6 shows the distribution of births according to birth weight. In 1980, the percentage of live births considered low-weight (birth weight of less than 2,500 grams) was 8.0. Of the total number of low-weight births, 65 percent were in the group weighing 2,000-2,499 grams. The percentage of births of all other races considered low-weight was more than twice that of white births, 13.3 and 6.4, respectively.

TABLE 6. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO WEIGHT GROUP, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Weight Group	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	¶69,102	100.0	52,967	100.0	16,129	100.0
Low-Weight	5,519	8.0	3,373	6.4	2,146	13.3
Under 1,000 grams...	419	0.6	232	0.4	187	1.2
Under 350 grams...	8	0.0	5	0.0	3	0.0
350-499 grams.....	55	0.1	34	0.1	21	0.1
500-999 grams.....	356	0.5	193	0.4	163	1.0
1,000-1,499 grams...	492	0.7	297	0.6	195	1.2
1,500-1,999 grams...	1,022	1.5	631	1.2	391	2.4
2,000-2,499 grams...	3,586	5.2	2,213	4.2	1,373	8.5
2,500-2,999 grams.....	11,789	17.1	7,850	14.8	3,939	24.4
3,000-3,499 grams.....	¶25,574	37.0	19,327	36.5	6,245	38.7
3,500-3,999 grams.....	19,177	27.8	16,187	30.6	2,990	18.5
4,000-4,499 grams.....	5,711	8.3	5,064	9.6	647	4.0
4,500 grams and over..	1,230	1.8	1,090	2.1	140	0.9
Unknown weight.....	¶102	0.1	76	0.1	22	0.1

¶ Includes one or more births with race not stated.

In 1980, of the 69,102 resident births, 19.9 percent or 13,759 births occurred to mothers less than 20 years of age (Table 7). Of the 52,967 white births, 9,324 or 17.6 percent occurred to teenage mothers, while 27.5 percent or 4,435 of 16,129 births of all other races were to teenage mothers. Of the total 69,102 resident births, 43,907 or 63.5 percent were

to mothers aged 20-29 years; 65.0 percent of the white births occurred to mothers in this age group.

In 1980, it was indicated on 66,355 or 96 percent of the birth certificates that the mother received prenatal care. A mother was considered to have received prenatal care only if both, the month that prenatal care began and a number of prenatal visits greater than 0, were specified on the birth certificate. On 1,891 or 3 percent of the birth certificates it could not be determined whether the mother had received prenatal care. On 1 percent or 856 certificates the mother stated that no prenatal visits were received. Mothers of 50,975 white babies or 96 percent received prenatal care, and mothers of 15,378 babies of all other races or 95 percent received care.

TABLE 7. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO AGE OF MOTHER, BY RACE OF CHILD, RESIDENT DATA, TENNESSEE, 1980

Age of Mother	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	¶69,102	100.0	¶52,967	100.0	¶16,129	100.0
Under 15 years	291	0.4	118	0.2	173	1.1
15-19 years.....	13,468	19.5	9,206	17.4	4,262	26.4
20-24 years.....	¶24,592	35.6	18,742	35.4	5,848	36.3
25-29 years.....	¶19,315	28.0	15,694	29.6	3,620	22.4
30-34 years.....	¶8,860	12.8	7,167	13.5	1,692	10.5
35-39 years.....	2,148	3.1	1,718	3.2	430	2.7
40-44 years.....	401	0.6	303	0.6	98	0.6
45 years and over	22	0.0	17	0.0	5	0.0

¶ Includes one or more births with race of child and/or age of mother not stated.

As the education of the mother increased, there was generally an increase in the percentage of mothers receiving prenatal care. Care was obtained by 91 percent of mothers with less than an eighth grade education in comparison to 99 percent of mothers with a college degree. This relationship was identical for mothers of white babies, with 93 percent of these mothers who had less than an eighth grade education receiving care compared to 98 percent of the mothers with a college degree. Eighty-six percent of mothers of babies of all other races with less than an eighth grade education obtained care, while 99 percent of those with a college degree obtained care.

Seventy-nine percent of mothers of white babies who received care began care during the first trimester of pregnancy, while only 65 percent of the mothers of babies of all other races who received care began care this early. For those who received prenatal care, as the education of the mother increased, the mother was more likely to have begun care in the first trimester. Of the total receiving care who had less than an eighth grade education, only 52 percent began the care during the first trimester. In contrast, 92 percent of the college graduates receiving prenatal care began in the first trimester.

There was an inverse relationship between the number of previous pregnancies and the receipt of prenatal care. Ninety-six percent of mothers who gave birth to their first child in 1980 received care, while 94 percent of those with 4 previous pregnancies and 90 percent of those with 6 or more previous pregnancies received care.

TABLE 8. LIVE BIRTHS BY NUMBER OF PRENATAL VISITS, BY MONTH OF PREGNANCY PRENATAL CARE BEGAN AND RACE OF CHILD, RESIDENT DATA, TENNESSEE, 1980

Number of Prenatal Visits	Month of Pregnancy Prenatal Care Began					
	Total	1st-3rd Month	4th-6th Month	7th-9th Month	No Care	Not Stated
<i>All Races</i>						
Total	69,102	50,075	13,600	2,680	856	1,891
No visits	856	—	—	—	856	—
1-4 visits	4,470	941	2,057	1,472	—	—
5-9 visits	17,247	9,375	6,842	1,030	—	—
10-14 visits	137,744	133,505	4,081	158	—	—
15-19 visits	5,827	5,303	505	19	—	—
20 or more visits	1,067	951	115	1	—	—
Not stated	1,891	—	—	—	—	1,891
<i>White</i>						
Total	52,967	40,023	9,139	1,813	490	1,502
No visits	490	—	—	—	490	—
1-4 visits	2,337	479	962	896	—	—
5-9 visits	11,885	6,465	4,639	781	—	—
10-14 visits	31,144	27,921	3,103	120	—	—
15-19 visits	4,764	4,397	352	15	—	—
20 or more visits	845	761	83	1	—	—
Not stated	1,502	—	—	—	—	1,502
<i>All Other Races</i>						
Total	16,129	10,050	4,461	867	366	385
No visits	366	—	—	—	366	—
1-4 visits	2,133	462	1,095	576	—	—
5-9 visits	5,362	2,910	2,203	249	—	—
10-14 visits	6,598	5,582	978	38	—	—
15-19 visits	1,063	906	153	4	—	—
20 or more visits	222	190	32	—	—	—
Not stated	385	—	—	—	—	385

† Includes one or more births with race not stated.

In 1980, of the 69,102 resident live births in Tennessee, 13,711 or 19.8 percent were reported as illegitimate. This represented a 4 percent increase over the percentage of illegitimate births in 1979. Of the total number of illegitimate births to residents of the State, 4,641 were white and 9,070 were all other races. Illegitimate births accounted for 8.8 percent of the total white births in 1980 while 56.2 percent of the total births of all other races were illegitimate. From 1979 to 1980, the percentage of births reported to be illegitimate increased by 9 percent for the white population and increased by 2 percent for the all other races population.

TABLE 9. PERCENTAGE OF LIVE BIRTHS REPORTED TO BE ILLEGITIMATE, BY RACE, RESIDENT DATA, TENNESSEE, 1951-1980

Year	All Races		All Other Races	Year	All Races		All Other Races
	White	Races			White	Races	
1951	6.1	2.7	19.7	1966	11.3	4.0	37.2
1952	6.0	2.2	21.1	1967	11.8	4.1	39.6
1953	6.7	2.2	24.0	1968	11.8	4.4	39.1
1954	7.0	2.4	24.6	1969	11.8	4.5	39.3
1955	7.3	2.4	25.5	1970	12.5	4.6	41.5
1956	7.6	2.5	25.7	1971	12.9	4.5	43.9
1957	7.8	2.6	26.2	1972	14.4	5.2	47.9
1958	8.0	2.7	27.3	1973	14.9	5.3	49.0
1959	8.4	2.8	27.8	1974	14.9	5.4	49.3
1960	8.7	2.7	29.4	1975	15.8	5.9	50.6
1961	9.3	3.0	31.3	1976	16.5	6.1	53.3
1962	9.5	3.1	32.1	1977	16.6	6.7	52.2
1963	9.7	3.1	32.8	1978	18.2	7.4	54.1
1964	9.9	3.2	33.9	1979	19.1	8.1	55.1
1965	11.2	3.8	36.4	1980	19.8	8.8	56.2

Table 9 and Figure 3 show the percentages of births which were illegitimate by race for 30 years, 1951-1980. The percentages that were reported as illegitimate for births of all other races were 6 to 11 times those for whites throughout this 30-year period. The percentage of total births reported to be illegitimate increased gradually from 6.1 percent in 1951 to 19.8 percent in 1980. Completeness of registration and more truthful reporting of illegitimacy probably contributed to this increase in the relative frequency of reported illegitimate births.

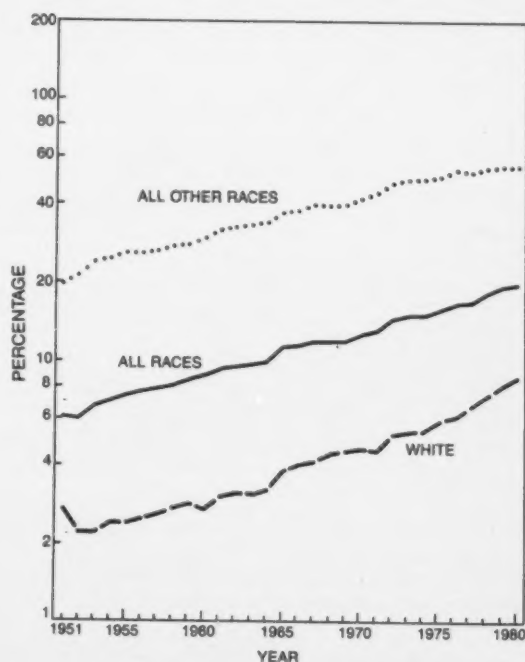


Figure 3. Percentage of Live Births Reported to be Illegitimate, by Race, Resident Data, Tennessee, 1951-1980

In 1980, there were 5,720 births recorded in Tennessee to mothers who were residents of other states and 1,955 births recorded in other states to Tennessee mothers. The recorded birth rate of 15.9 per 1,000 population was higher than the resident rate of 15.1. Both rates in 1980 were lower than in 1979 when the recorded birth rate was 16.5 and the resident rate was 15.6.

Fetal Deaths: Reporting of all fetal deaths of 20 completed weeks of gestation or more or a weight of 350 grams or more was required in Tennessee for the first 3 months of 1979. However, on April 12, 1979 the law requiring the reporting of fetal deaths was amended, and under this amendment, reporting of a fetal death is required if the fetus weighs 500 grams or more, or, in the absence of weight, is of 22 completed weeks of gestation or more. This reporting requirement remained in effect during 1980. In 1980, there were 600 fetal deaths reported to mothers who were residents of the State. The fetal death ratio of 8.7 per 1,000 live births in 1980 was a new record low and was 5 percent lower than the previous low ratio of 9.2 established in 1979.

Of the 600 fetal deaths reported as resident events, 99 percent were delivered in hospitals. During the past 20 years, there has been an increase in the percentage of fetal deaths delivered in hospitals similar to that for live births. In 1980, the percentage of hospital deliveries was slightly lower for all races combined and white fetal deaths than for corresponding live births, but the rate for all other races was the same.

The distribution of reported fetal deaths by weight at delivery in 1980 is given in Table 10 which shows 67.2 percent classified as low-weight (less than 2,500 grams) compared with 62.0 percent in 1979. Of the 390 white fetal deaths in 1980, there were 244 or 62.6 percent classified as low-weight compared to 159 or 75.7 percent for all other races.

TABLE 10. NUMBER AND PERCENTAGE OF FETAL DEATHS
ACCORDING TO WEIGHT GROUP, BY RACE,
RESIDENT DATA, TENNESSEE, 1980

Weight Group	All Races		White		All Other Races	
	Num- ber	Per- cent	Num- ber	Per- cent	Num- ber	Per- cent
Total	600	100.0	390	100.0	210	100.0
Low-Weight	403	67.2	244	62.6	159	75.7
500-999 grams	186	31.0	105	26.9	81	38.6
1,000-1,499 grams ...	71	11.8	42	10.8	29	13.8
1,500-1,999 grams ...	76	12.7	47	12.1	29	13.8
2,000-2,499 grams ...	70	11.7	50	12.8	20	9.5
2,500 grams and over ..	172	28.7	128	32.8	44	21.0
Unknown weight	25	4.2	18	4.6	7	3.3

Causes of fetal deaths were classified according to the *Ninth Revision International Classification of Diseases, 1975*.

TABLE 11. NUMBER AND PERCENTAGE OF FETAL DEATHS
ACCORDING TO CAUSE, BY RACE, RESIDENT DATA,
TENNESSEE, 1980

Cause of Fetal Deaths	All Races		White		All Other Races	
	Num- ber	Per- cent	Num- ber	Per- cent	Num- ber	Per- cent
Total	600	100.0	390	100.0	210	100.0
Congenital anomalies (740-759)	33	5.5	27	6.9	6	2.9
Maternal conditions which may be unrelated to pregnancy (760.1-760.9)	10	1.7	7	1.8	3	1.4
Maternal complications of pregnancy (760.0,761)	66	11.0	53	13.6	13	6.2
Complications of placenta (762.0-762.3)	89	14.8	62	15.9	27	12.9
Complications of cord (762.4-762.6)	80	13.3	66	16.9	14	6.7
Complications of membranes (762.7-762.9) ...	2	0.3	—	—	2	1.0
Other complications of labor and delivery (763)	5	0.8	4	1.0	1	0.5
Immaturity (765)	38	6.3	19	4.9	19	9.0
Intrauterine hypoxia and birth asphyxia (768) ...	12	2.0	9	2.3	3	1.4
Other and ill-defined conditions originating in the perinatal period (779) ...	242	40.3	124	31.8	118	56.2
Other and ill-defined causes	23	3.8	19	4.9	4	1.9

Complications of placenta was the reported leading cause for total and all other races fetal deaths, while complications of cord was the leading cause of white fetal deaths and the second leading cause for total fetal deaths in 1980. The second most frequently stated cause for white fetal deaths was complications of placenta, and for all other races, immaturity was the second leading cause. For 40.3 percent of the total fetal deaths in 1980, the cause was coded as other and ill-defined conditions originating in the perinatal period.

Induced Abortions: In 1980 in Tennessee, 23,274 induced terminations of pregnancy were reported by hospitals, abortion providers and physicians' offices. There were 319.4 abortions per 1,000 live births recorded in 1980, compared to a ratio of 324.4 recorded in 1979.

In 1980, of the 23,274 women who received abortions in Tennessee, 19,066 were residents of the State. The women who were nonresidents in 1980 were reported to be residents of 28 other states and the District of Columbia. There was not an interstate exchange of abortion reports during 1980, so the number of abortions performed on Tennessee residents which occurred in other states in 1980 is unknown.

TABLE 12. NUMBER OF REPORTED INDUCED ABORTIONS
ACCORDING TO RACE OF WOMAN WITH RATIOS
PER 1,000 LIVE BIRTHS, RECORDED DATA,
TENNESSEE, 1974-1980

Year	All Races		White		All Other Races	
	Number	Ratio	Number	Ratio	Number	Ratio
1974	¶7,406	109.1	5,420	##	1,478	##
1975	¶11,081	168.5	8,483	166.4	2,330	157.7
1976	¶16,967	258.5	10,840	212.4	3,259	223.2
1977	¶16,463	235.2	12,297	225.5	3,675	238.1
1978	¶18,889	269.1	14,737	272.8	4,073	251.8
1979	¶23,399	324.4	17,329	313.4	6,027	358.2
1980	¶23,274	319.4	17,199	307.4	5,950	351.9

¶ Includes abortions with race not stated.

Data not available to compute ratios by race.

In 1980, of the women receiving abortions in Tennessee, 17,199 were white and 5,950 were other races. The ratio of abortions per 1,000 live births was higher for women of other races than for white women (351.9 and 307.4, respectively). The ratio for white women decreased by 2 percent when compared to the ratio of 313.4 recorded in 1979, while the ratio for women of other races decreased by 2 percent when compared to the ratio of 358.2 for the previous year. The racial distribution of induced abortions is very similar to the racial distribution of the recorded live births in Tennessee for 1980. For 7 years of data by race see Table 12.

TABLE 13. NUMBER AND PERCENT DISTRIBUTION OF INDUCED
ABORTIONS ACCORDING TO AGE AND RACE OF WOMAN,
RECORDED DATA, TENNESSEE, 1980

Age of Woman	All Races		White		All Other Races	
	Number	Percent	Number	Percent	Number	Percent
Total	¶23,274	100.0	17,199	100.0	5,950	100.0
Under 15 years	302	1.3	183	1.1	119	2.0
15-19 years	¶7,096	30.5	5,629	32.7	1,440	24.2
20-24 years	¶8,101	34.8	5,913	34.4	2,151	36.2
25-29 years	¶4,370	18.8	2,998	17.4	1,338	22.5
30-34 years	¶2,097	9.0	1,496	8.7	586	9.8
35-39 years	¶976	4.2	736	4.3	234	3.9
40-44 years	270	1.2	203	1.2	67	1.1
45 years and over	¶28	0.1	21	0.1	6	0.1
Not stated	¶34	0.1	20	0.1	9	0.2

¶ Includes one or more events with race not stated.

Of the women obtaining induced abortions in Tennessee in 1980, approximately one-third were 19 years of age and under, one-third were between 20 and 24 years of age, and one-third were 25 years of age or older. This distribution varied slightly according to the race of the woman as shown in Table 13.

Deaths: During 1980, deaths to Tennessee residents numbered 40,713 which reflected a 5 percent increase over the 38,712 deaths in 1979. In 1980, the death rate of 8.9 per

1,000 population represented a 1 percent increase over the comparable rate of 8.8 in 1979.

In 1980, the 33,416 deaths among the white race showed a 5 percent increase over the comparable 31,837 deaths for 1979, and the 7,291 deaths of all other races in 1980 showed a 6 percent increase over the 6,875 deaths for 1979. For the white race in 1980, the death rate of 8.7 per 1,000 white population represented a 1 percent increase over the comparable rate of 8.6 for the preceding year; the record low death rate of 9.6 per 1,000 population for all other races in 1980 showed a 5 percent decrease from the rate of 10.1 in 1979 and a 3 percent decrease from the previous low rate of 9.9 established in 1978.

Since death rates vary by age, the crude death rate is affected by the age composition of the population. In order to remove the effect of the changing age distribution of the population, age-adjusted death rates have been computed by race for the years 1961-1980 and are shown in Table 14 and Figure 4. These adjusted rates were calculated using the direct method and the total enumerated population of the United States in 1940 as a standard. (In the Bulletins for the years 1971-1976 the age-adjusted rates were obtained using the 1950 Census population of Tennessee. The 1940 United States Census population is frequently used as a standard; thus, the Tennessee age-adjusted death rates can be readily compared to other death rates which have been age-adjusted to the same standard.)

TABLE 14. AGE-ADJUSTED* DEATH RATES PER 1,000 POPULATION,
BY RACE, RESIDENT DATA, TENNESSEE, 1961-1980

Year	All Races		White	All Other Races	Year	All Races		White	All Other Races
	White	Other				White	Other		
1961	7.5	6.9	10.8		1971	7.4	6.9	10.0	
1962	7.7	7.1	11.1		1972	7.5	7.0	10.2	
1963	7.9	7.3	11.3		1973	7.4	6.9	10.4	
1964	7.7	7.0	11.0		1974	7.2	6.8	10.0	
1965	7.5	7.0	10.4		1975	6.9	6.4	9.6	
1966	7.6	7.1	10.7		1976	6.8	6.4	9.2	
1967	7.4	7.0	10.2		1977	6.6	6.2	9.3	
1968	7.7	7.0	11.2		1978	6.4	6.0	8.8	
1969	7.6	7.1	10.9		1979	6.3	5.9	9.0	
1970	7.6	7.1	10.5		1980	6.3	5.9	8.5	

* Adjusted to age distribution of 1940 Census population of the United States.

If the age composition of the population of Tennessee had been the same in 1980 as that of the United States in 1940, the death rate for the total population would have been 6.3 per 1,000 population rather than the crude rate of 8.9. This adjusted rate for 1980 was 16 percent lower than the comparable rate for 1961, while the crude death rate for 1980 was only 1 percent lower than the crude rate for 1961. In the current population, there is an increased number of older persons among whom the risk of death is greatest. The progress made in reducing mortality during the last 20 years

is concealed in the comparison of crude death rates due to the larger proportion of older people in the population. During this same period, the age-adjusted death rate for the white population declined by 14 percent, while the rate for all the other races showed a 21 percent decline. The age-adjusted death rate for the all other races in 1980 was 44 percent higher than that for the white; whereas, the comparison of the crude death rates showed that the rate for the all other races was only 10 percent higher than the rate for the white population.

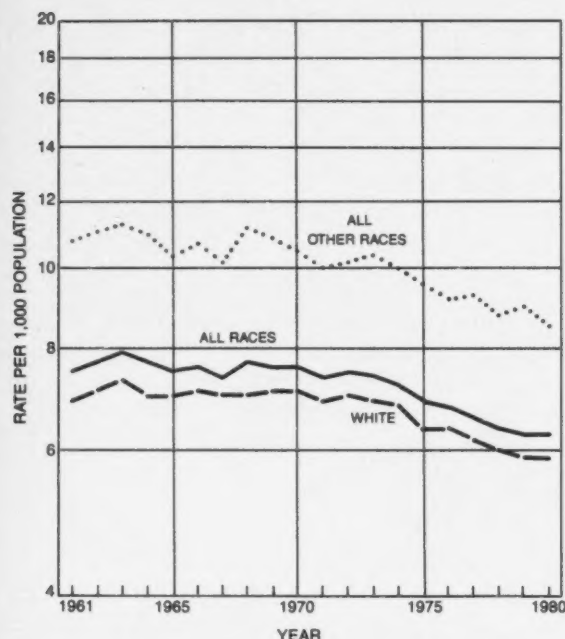


Figure 4. Age-Adjusted Death Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1961-1980

Age-specific death rates by race and sex for 1980 are given in Table 15. In the total population, death rates were high for infants but were low during childhood years. The rates remained at a similar level for persons from 15 through 34 years of age, after which the rates increased sharply and were at the highest level for persons in the 75 years and over age group. The death rates for the white and all other races populations followed, in general, the same age pattern as that for the total; however, the rates for all other races were at a higher level than those for whites in every age group except for those aged 10-19 years. Mortality was higher among males than females for all age groups in both races except among the white population 10-14 years of age. White males in every age group 15-74 years experienced death rates at least twice as high as those of white females of comparable ages. Also, males of all other races in every age group 15-34 years experienced death rates more than two and one-half times as high as their female counterparts.

TABLE 15. DEATH RATES PER 1,000 POPULATION, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1980

Age Group	All Races		White		All Other Races		
	Total	Male	Total	Female	Total	Male	Female
All ages	8.9	8.7	9.9	7.6	9.6	11.1	8.3
Under 1 year†	13.4	11.8	12.5	11.0	18.8	21.6	16.1
1-4 years	0.6	0.6	0.7	0.4	0.9	1.0	0.8
5-9 years	0.3	0.3	0.4	0.3	0.4	0.5	0.3
10-14 years	0.4	0.4	0.4	0.4	0.4	0.5	0.3
15-19 years	1.0	1.1	1.5	0.7	0.7	1.1	0.4
20-24 years	1.4	1.4	2.1	0.6	1.5	2.4	0.6
25-29 years	1.4	1.3	1.9	0.6	1.9	3.0	1.0
30-34 years	1.5	1.3	1.8	0.9	2.7	4.5	1.2
35-44 years	2.5	2.2	3.0	1.5	4.6	6.3	3.3
45-54 years	6.3	5.6	7.9	3.6	11.0	14.9	8.1
55-64 years	14.6	13.4	19.4	8.3	22.5	29.7	16.9
65-74 years	29.8	28.3	40.6	19.1	39.1	50.3	30.9
75 years and over	87.6	87.0	107.4	76.0	91.2	107.9	80.7

† Rate per 1,000 live births.

Death rates by race according to type of county are shown in Table 16. The risk of death (9.4 per 1,000 population) was greatest for residents of rural counties. For the population of the metropolitan and intermediate counties, the death rates were 8.9 and 8.2, respectively. The death rate for the white population and the all other races population varied with the urban character of the county, with intermediate counties having the lowest death rate and rural counties having the highest death rate. The age distribution of the population, the availability of health resources, and the completeness of registration are factors to be considered in interpreting data shown in this table.

TABLE 16. DEATH RATES FOR 1,000 POPULATION BY TYPE OF COUNTY, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Type of County	All Races		All Other Races	
	White	Total	White	Total
Metropolitan	8.9	8.6	9.7	9.0
Intermediate	8.2	8.1	9.3	10.0
Rural	9.4	9.3	10.0	10.0

The seasonal distribution of deaths in 1980 is shown in Table 17. There was an average of 111.2 deaths per day. These averages varied by month with the lowest, 99.3 deaths per day, occurring during September. The highest average number of deaths per day was experienced in December with 124.0 deaths.

TABLE 17. NUMBER OF DEATHS BY MONTH WITH AVERAGE PER DAY, RESIDENT DATA, TENNESSEE, 1980

Month	Average		Month	Average	
	Number	per day		Number	per day
Total	40,713	111.2	June	3,080	102.7
January	3,561	114.9	July	3,706	119.5
February	3,371	116.2	August	3,354	108.2
March	3,574	115.3	September	2,978	99.3
April	3,361	112.0	October	3,267	105.4
May	3,312	106.8	November	3,304	110.1
			December	3,845	124.0

In 1980, the number of deaths to Tennessee residents numbered 40,713 or 2,440 fewer than the 43,153 deaths recorded in Tennessee. Thus, there were more deaths of nonresidents which occurred in Tennessee (3,571) than there were deaths of Tennessee residents which occurred in other states (1,131). The recorded death rates for the large cities of Tennessee were high because many deaths of residents of rural areas of Tennessee and of nearby states occurred in the hospitals of these Tennessee cities.

Infant Mortality: In Tennessee during 1980, there were 929 resident infant deaths, giving an infant mortality rate of 13.4 per 1,000 live births. The number of deaths was slightly higher than the 925 infant deaths in 1979, while the rate was a record low (since records were first kept on resident data in 1934) and was 1 percent less than the previous low of 13.5 per 1,000 live births obtained in 1979.

White infants experienced 625 deaths or a mortality rate of 11.8 per 1,000 white live births in 1980; among infants of all other races, there were 304 deaths, corresponding to a rate of 18.8. Both the number of infant deaths of all other races and the infant mortality rate in 1980 were record lows for that racial group.

The trend of infant mortality rates for the past 20 years has been downward (as shown in Figure 5). The number of infant deaths and the mortality rates for the years 1961-1980 are given in Table I.

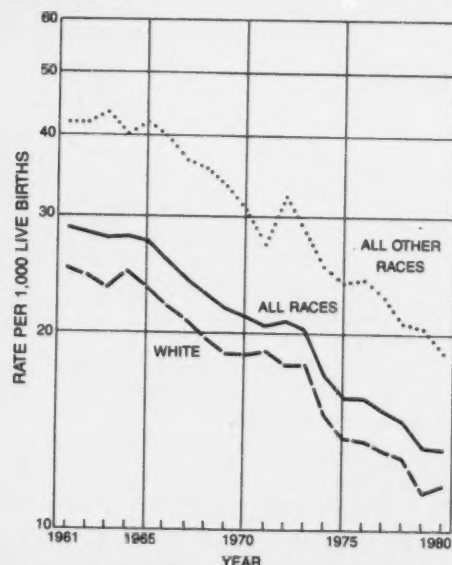


Figure 5. Infant Mortality Rates per 1,000 Live Births, by Race, Resident Data, Tennessee, 1961-1980

In 1980, deaths of male infants numbered 522, of female infants 406, and there was 1 death with sex unknown. The mortality rate of 14.6 per 1,000 live births experienced by male infants was 20 percent higher than the rate of 12.2 for female infants.

Infant mortality rates according to type of resident county are given in Table 18. For white infants, the risk of mortality

was lowest for those who were residents of metropolitan counties, and for all other races, the risk was lowest for infants in the intermediate counties. The greatest risk of mortality was for infants of all other races in rural counties. The racial differential was greatest in the metropolitan counties where mortality among infants of all other races was 79 percent higher than that for the white infants, followed closely by infants of rural counties with a racial difference of 76 percent.

TABLE 18. INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS BY TYPE OF COUNTY, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Type of County	All Races	White	All Other Races
Metropolitan	14.0	10.7	19.2
Intermediate	13.6	13.3	15.6
Rural	12.4	11.5	20.2

Table 19 gives the number of resident infant deaths by broad groups of causes for 1980. The major group, certain conditions originating in the perinatal period (ICD code numbers 760-779) accounted for 448 or 48 percent of the infant deaths. Congenital anomalies were responsible for 197 or 21 percent of the infant deaths; respiratory distress syndrome accounted for 73 deaths or 8 percent of total infant deaths. Thirty-four deaths or 4 percent were from accidents and adverse effects; pneumonia and influenza accounted for 22 deaths or 2 percent of the infant deaths.

TABLE 19. NUMBER OF INFANT DEATHS BY CAUSE WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Cause of Death	All Races		White		All Other Races	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
Total	929	13.4	625	11.8	304	18.8
Certain gastrointestinal diseases (008-009, 535, 555-558)	1	x	1	x	—	—
Pneumonia and influenza (480-487)	22	0.3	12	0.2	10	0.6
Congenital anomalies (740-759)	197	2.9	158	3.0	39	2.4
Immaturity (765)	61	0.9	34	0.6	27	1.7
Birth trauma (767)	23	0.3	21	0.4	2	0.1
Intrauterine hypoxia and birth asphyxia (768)	44	0.6	24	0.5	20	1.2
Respiratory distress syndrome (769)	73	1.1	58	1.1	15	0.9
Other conditions originating in the perinatal period (760-764, 766, 770-779)	247	3.6	152	2.9	95	5.9
Sudden infant death syndrome (798.0)	116	1.7	76	1.4	40	2.5
Accidents and adverse effects (E800-E949)	34	0.5	22	0.4	12	0.7
All other and ill-defined causes	111	1.6	67	1.3	44	2.7

x Rate less than 0.05.

Deaths from sudden infant death syndrome numbered 116 or 12 percent resulting in a rate of 1.7 per 1,000 live births, compared to 117 deaths and a rate of 1.7 for 1979. Seventy-six white infants with a rate of 1.4 and 40 infants of all other races with a rate of 2.5 died from this cause during 1980, compared to 64 and 53, respectively, for 1979.

Mortality rates per 1,000 live births for infants of all other races were higher than for white infants for all of the causes of death listed in Table 19 except congenital anomalies, birth trauma, and respiratory distress syndrome.

Infants deaths by age at death and by race with rates per 1,000 live births are shown for 1980 in Table 20. Sixty-seven percent or 626 of the 929 infant deaths occurred during the neonatal period, the first 27 days of life. The neonatal mortality rate in 1980 was 9.1 per 1,000 live births, the same as in 1979. Of the 626 neonatal deaths in 1980, whites accounted for 424 deaths, and all other races accounted for 202; corresponding rates were 8.0 per 1,000 white live births and 12.5 per 1,000 births of all other races.

In 1980, the neonatal mortality rate for infants of all other races was 56 percent higher than that for white infants; this racial differential represented a decrease when compared to that of 1979 when the rate for all other races was 83 percent higher than the rate for whites.

More than half or 354 of the 626 neonatal deaths occurred among infants under 1 day of age, and an additional 27 percent or 168 died at 1-6 days of age; thus, 83 percent of the neonatal deaths occurred within the first week of life.

TABLE 20. NUMBER OF INFANT DEATHS BY AGE AT DEATH WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Age at Death	All Races		White		All Other Races	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
Total, under 1 year.....	929	13.4	625	11.8	304	18.8
Neonatal (under 28 days)...	626	9.1	424	8.0	202	12.5
Under 1 day.....	354	5.1	236	4.5	118	7.3
1-6 days.....	168	2.4	120	2.3	48	3.0
7-27 days.....	104	1.5	68	1.3	36	2.2
Under 1 month.....	629	9.1	426	8.0	203	12.6
1 month.....	75	1.1	50	0.9	25	1.6
2 months.....	66	1.0	44	0.8	22	1.4
3 months.....	38	0.5	28	0.5	10	0.6
4 months.....	29	0.4	19	0.4	10	0.6
5 months.....	24	0.3	15	0.3	9	0.6
6 months.....	20	0.3	17	0.3	3	0.2
7 months.....	19	0.3	11	0.2	8	0.5
8 months.....	9	0.1	6	0.1	3	0.2
9 months.....	8	0.1	5	0.1	3	0.2
10 months.....	6	0.1	3	0.1	3	0.2
11 months.....	6	0.1	1	x	5	0.3

x Rate less than 0.05.

Mortality in the postneonatal period was much lower than in the neonatal period (Figure 6). In 1980, there were 303 postneonatal deaths with a rate of 4.4 per 1,000 live births. The postneonatal mortality rate of 3.8 per 1,000 live births for white infants was 3 percent lower than the comparable rate of 3.9 for that racial group in 1979. The postneonatal rate of 6.3 for all other races in 1980 decreased by 2 percent from the comparable rate of 6.4 in the preceding year.

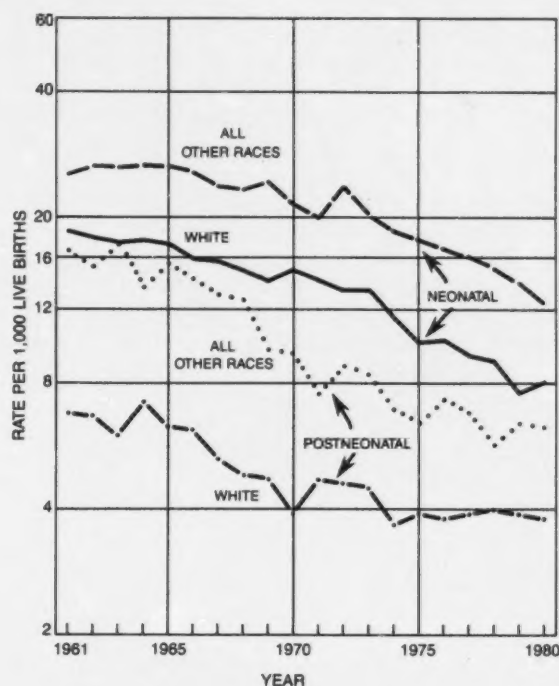


Figure 6. Infant Mortality Rates per 1,000 Live Births According to Neonatal and Postneonatal Periods, by Race, Resident Data, Tennessee, 1961-1980

Maternal Mortality: Thirteen Tennessee mothers were reported to have died from complications of pregnancy, childbirth and the puerperium giving a maternal mortality rate of 1.9 per 10,000 live births. In 1979, there were 9 maternal deaths corresponding to a rate of 1.3. Of the 13 deaths in 1980, white women accounted for 9 and all other races, 4. The maternal mortality rate of 1.7 for the white population was about two-thirds of the rate of 2.5 for all other races.

Causes of maternal deaths were as follows: legally induced abortion (1); hemorrhage in pregnancy (2); other complications related to pregnancy (4); obstructed labor (1); postpartum hemorrhage (1); other complications of labor and delivery not elsewhere classified (1); obstetrical pulmonary embolism (2); and other and unspecified complications of puerperium not elsewhere classified (1).

Mortality in Childhood: During the year 1980, there were 427 deaths of children 1-14 years of age. Of these, 172 or 40 percent were the result of accidental injuries.

Children 1-4 years of age experienced 162 deaths, giving a rate of 0.6 per 1,000 population. For white children in this age group, the rate was 0.6 and for children of all other races, 0.9. The most frequently stated cause of death for those in the age group 1-4 years was accidents and adverse effects with 54 deaths reported. The second most frequently reported cause of death for children 1-4 years of age was congenital anomalies with 27 deaths followed by malignant neoplasms with 14 deaths and pneumonia and influenza with 9 deaths.

For the age group 5-9 years, there were 119 deaths and for those 10-14 years, 146 deaths. The mortality rate from all causes for each of these two age groups was low, 0.3 for the age group 5-9 years and 0.4 for those aged 10-14 years.

Accidents and adverse effects was the leading cause of death in both age groups with 51 deaths in the age group 5-9 years and 67 deaths in the age group 10-14 years. The second leading cause of death for both age groups was malignant neoplasms with 20 deaths reported for each age group. Congenital anomalies was the third most reported cause of death in the age group 5-9 with 12 deaths, and in the age group 10-14, diseases of heart and the group pneumonia and influenza accounted for 6 deaths each.

Principal Causes of Death: The groupings of principal causes of death in the tables that follow are in accordance with national recommendations and the *Ninth Revision International Classification of Diseases*.

TABLE 21. PRINCIPAL CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1980

Cause of Death	Deaths	
	Number	Rate
All causes	40,713	886.8
1. Diseases of heart (390-398, 402, 404-429)	14,872	323.9
2. Malignant neoplasms (140-208)	8,304	180.9
3. Cerebrovascular disease (430-438)	4,310	93.9
4. Accidents and adverse effects (E800-E949)	2,453	53.4
5. Chronic obstructive pulmonary disease and allied conditions (490-496)	1,237	26.9
6. Pneumonia and influenza (480-487)	1,037	22.6
7. Atherosclerosis (440)	570	12.4

The seven principal causes of death (as shown in Table 21 and Figure 7) accounted for 32,783 or 81 percent of the total 40,713 deaths of Tennessee residents in 1980. The seven principal causes of death were the same as in 1979. In 1980, the leading cause of death was diseases of heart with 14,872 deaths or 37 percent of all deaths, and the death rate was 323.9 per 100,000 population. Malignant neoplasms ranked second with 8,304 deaths and a rate of 180.9. The third principal cause of death was cerebrovascular disease with 4,310 deaths and a rate of 93.9. Accidents and adverse effects accounted for 2,453 deaths and ranked fourth with a rate of 53.4. Chronic obstructive pulmonary disease and allied

conditions was ranked fifth, with 1,237 deaths and a rate of 26.9. The group pneumonia and influenza was in sixth place with 1,037 deaths and a rate of 22.6, and atherosclerosis was seventh with 570 deaths and a rate of 12.4 per 100,000 population.

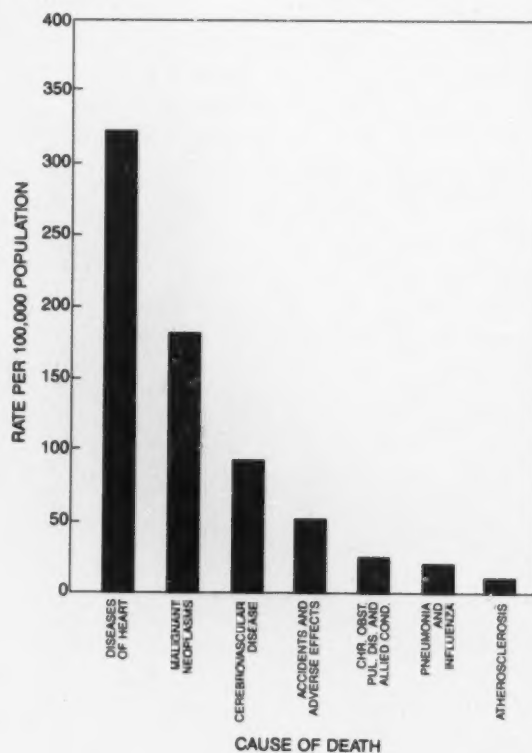


Figure 7. Death Rates per 100,000 Population for the Principal Causes of Death, Resident Data, Tennessee, 1980

The seven principal causes of death for males and females in 1980 are shown in Table 22. Of these, the first four were the same and in the same rank order for both sex groups. For males, chronic obstructive pulmonary disease and allied conditions was the fifth principal cause of death, pneumonia and influenza was ranked sixth, and homicide and legal intervention was in seventh place. For females, pneumonia and influenza ranked fifth followed by chronic obstructive pulmonary disease and allied conditions in sixth place and atherosclerosis in seventh. Of the six leading causes common to both sex groups, death rates were higher for males than for females with the exception of cerebrovascular disease. Of the five leading causes for which death rates for the male population were higher than those for the female, the greatest relative excess was for chronic obstructive pulmonary disease and allied conditions followed closely by accidents and adverse effects. The rate for males for each of

these causes was more than two and one-half times that for females.

TABLE 22. PRINCIPAL CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, BY SEX, RESIDENT DATA, TENNESSEE, 1980

Cause of Death	Deaths	
	Number	Rate
<i>Male</i>		
All causes	22,438	1,012.3
1. Diseases of heart (390-398, 402, 404-429)	8,049	363.1
2. Malignant neoplasms (140-208)	4,697	211.9
3. Cerebrovascular disease (430-438)	1,868	84.3
4. Accidents and adverse effects (E800-E949) ...	1,728	78.0
5. Chronic obstructive pulmonary disease and allied conditions (490-496)	883	39.8
6. Pneumonia and influenza (480-487)	522	23.5
7. Homicide and legal intervention (E960-E978) ..	441	19.9
<i>Female</i>		
All causes	18,273	769.5
1. Diseases of heart (390-398, 402, 404-429)	6,823	287.3
2. Malignant neoplasms (140-208)	3,607	151.9
3. Cerebrovascular disease (430-438)	2,442	102.8
4. Accidents and adverse effects (E800-E949) ...	724	30.5
5. Pneumonia and influenza (480-487)	515	21.7
6. Chronic obstructive pulmonary disease and allied conditions (490-496)	354	14.9
7. Atherosclerosis (440)	340	14.3

Mortality by cause differed by age group. (See Table 23 for principal causes of death for five adult age groups.) For the first three age groups, only five causes are shown due to the small numbers of deaths involved. For the two older age groups, the larger numbers of deaths make the listing of seven causes meaningful. Detailed data regarding causes by race, sex, and age are given in Table IV.

For the age group 15-24 years, accidents and adverse effects accounted for 593 or 58 percent of the 1,017 deaths. Homicide and legal intervention ranked second followed by suicide, malignant neoplasms, and diseases of heart. It is noteworthy that over three-fourths of all deaths in this age group were from external causes which are potentially amenable to prevention.

In 1980, the five leading causes of death for the age group 25-34 years were the same and in the same rank order as for the preceding age group. With the exception of the rate for accidents and adverse effects, death rates for leading causes in this age group were higher than those for the age group 15-24 years. Sixty-one percent of the deaths in this age group were from external causes.

TABLE 23. PRINCIPAL CAUSES OF DEATH FOR FIVE AGE GROUPS WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1980

Cause of Death	Deaths	
	Number	Rate
<i>15-24 Years</i>		
All causes	1,017	119.1
1. Accidents and adverse effects (E800-E949) ...	593	69.5
2. Homicide and legal intervention (E960-E978)	131	15.3
3. Suicide (E950-E959)	86	10.1
4. Malignant neoplasms (140-208)	47	5.5
5. Diseases of heart (390-398, 402, 404-429)	25	2.9
<i>25-34 Years</i>		
All causes	1,087	146.0
1. Accidents and adverse effects (E800-E949) ...	393	52.8
2. Homicide and legal intervention (E960-E978)	152	20.4
3. Suicide (E950-E959)	123	16.5
4. Malignant neoplasms (140-208)	122	16.4
5. Diseases of heart (390-398, 402, 404-429)	71	9.5
<i>35-44 Years</i>		
All causes	1,352	253.3
1. Malignant neoplasms (140-208)	267	50.0
2. Diseases of heart (390-398, 402, 404-429)	265	49.6
3. Accidents and adverse effects (E800-E949) ...	228	42.7
4. Homicide and legal intervention (E960-E978)	115	21.5
5. Suicide (E950-E959)	99	18.5
<i>45-64 Years</i>		
All causes	9,220	1,029.7
1. Diseases of heart (390-398, 402, 404-429)	3,202	357.6
2. Malignant neoplasms (140-208)	2,877	321.3
3. Cerebrovascular disease (430-438)	510	57.0
4. Accidents and adverse effects (E800-E949) ...	424	47.4
5. Chronic obstructive pulmonary disease and allied conditions (490-496)	315	35.2
6. Chronic liver disease and cirrhosis (571)	249	27.8
7. Suicide (E950-E959)	161	18.0
<i>65 Years and Over</i>		
All causes	26,673	5,153.3
1. Diseases of heart (390-398, 402, 404-429)	11,266	2,176.6
2. Malignant neoplasms (140-208)	4,933	953.1
3. Cerebrovascular disease (430-438)	3,688	712.5
4. Chronic obstructive pulmonary disease and allied conditions (490-496)	897	173.3
5. Pneumonia and influenza (480-487)	850	164.2
6. Accidents and adverse effects (E800-E949) ...	607	117.3
7. Atherosclerosis (440)	546	105.5

For the age group 35-44 years, the five principal causes of death were the same as those for the two preceding age groups but in a different rank order. Malignant neoplasms was the leading cause of death for this age group followed by diseases of heart, accidents and adverse effects, homicide and

legal intervention, and suicide. In contrast to the 15-24 age group, only 33 percent were from external causes.

Accidents and adverse effects, the leading cause for the two preceding age groups, dropped to third place for the age group 35-44. However, for the broad group of persons 1-44 years, accidents and adverse effects ranked above all other causes and accounted for 36 percent of the deaths in this broad age group. Also, deaths from external causes accounted for more than half of the deaths to persons 1-44 years of age.

In the age group 45-64 years, the leading cause of death was diseases of heart, accounting for 3,202 deaths or 35 percent of the deaths in this age group. Malignant neoplasms ranked second with 31 percent of the deaths followed by cerebrovascular disease and accidents and adverse effects. Chronic obstructive pulmonary disease and allied conditions and chronic liver disease and cirrhosis, which were not principal causes of death for the younger age groups, ranked fifth and sixth, respectively, for ages 45-64 years. Suicide was the seventh leading cause for this age group in 1980.

Sixty-six percent of the 40,713 deaths of Tennessee residents in 1980 were of persons 65 years of age and older. The principal cause of death for this age group (as in the preceding age group) was diseases of heart which accounted for 11,266 deaths or 42 percent of deaths for this age group. Malignant neoplasms ranked second followed by cerebrovascular disease and chronic obstructive pulmonary disease and allied conditions. Pneumonia and influenza, ranking fifth, did not rank as a leading cause of death for the younger age groups. Accidents and adverse effects ranked as the sixth leading cause. Atherosclerosis, the seventh leading cause in the age group 65 years and over, also did not rank as a leading cause of death for the younger age groups.

Tuberculosis: In 1980, the deaths of 62 Tennessee residents were reported to be due to tuberculosis, giving a death rate of 1.4 per 100,000 population. Of these deaths, 45 occurred in the white population and 17 in the all other races population. The death rates were 1.2 for whites and 2.2 for all other races. Mortality from tuberculosis was higher for males of both racial groups than for females. There were only 2 deaths from tuberculosis in 1980 occurring to persons under 45 years of age in contrast to 46 persons aged 65 years and over.

Syphilis: In 1980, syphilis accounted for deaths of four Tennessee residents. Of these four deaths, three occurred in the male population and one in the female population.

Acute Infectious and Parasitic Diseases: There was not a single death from acute poliomyelitis, measles, shigellosis and amebiasis, or whooping cough during 1980. Two deaths each were attributed to the group streptococcal sore throat, scarlatina and erysipelas and to Rocky Mountain spotted fever. Seven deaths were due to viral encephalitis and five to meningococcal infection. Other deaths due to infectious diseases include: viral hepatitis, 20; and septicemia, 142.

TABLE 24. NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS ACCORDING TO PRIMARY SITE WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Primary Site	All Races		White		All Other Races	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
Total.....	8,304	180.9	6,868	179.1	1,436	190.0
Lip, oral cavity and pharynx (140-149).....	164	3.6	135	3.5	29	3.8
Digestive organs and peritoneum (150-159)....	2,041	44.5	1,640	42.8	401	53.1
Respiratory and intrathoracic organs (160-165)...	2,363	51.5	2,034	53.0	329	43.5
Breast (174-175).....	570	12.4	469	12.2	101	13.4
Uterus (179-182).....	268	5.8	184	4.8	84	11.1
Other female genital organs (183-184).....	261	5.7	227	5.9	34	4.5
Male genital organs (185-187).....	477	10.4	360	9.4	117	15.5
Urinary organs (188-189)...	342	7.4	295	7.7	47	6.2
Skin (172-173).....	121	2.6	115	3.0	6	0.8
Brain (191).....	215	4.7	193	5.0	22	2.9
Other and unspecified (170, 171, 190, 192-199)...	692	15.1	533	13.9	159	21.0
Leukemia (204-208).....	358	7.8	312	8.1	46	6.1
Other lymphatic and hematopoietic tissue (200-203)...	432	9.4	371	9.7	61	8.1

Malignant Neoplasms: Malignant neoplasms, the second leading cause of mortality to residents of Tennessee in 1980, accounted for 8,304 deaths or a rate of 180.9 per 100,000 population. The white population experienced 6,868 deaths from this cause corresponding to a rate of 179.1, while deaths of persons of all other races numbered 1,436 with a rate of 190.0.

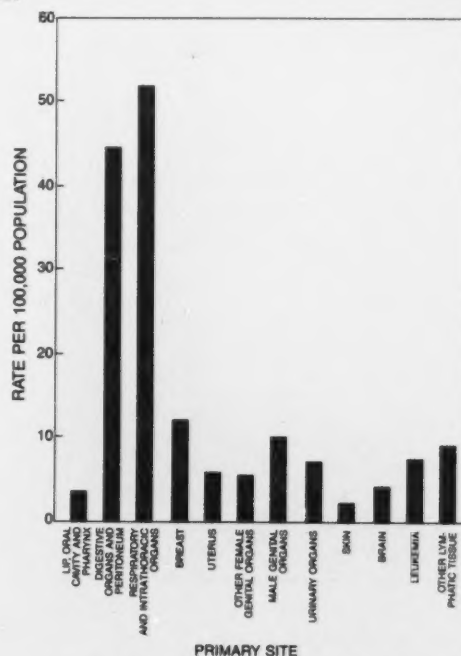


Figure 8. Death Rates per 100,000 Population for Malignant Neoplasms According to Primary Site, Resident Data, Tennessee, 1980

Mortality from malignant neoplasms varied according to primary site (as shown in Table 24 and Figure 8). In 1980, the most frequently stated primary site was the respiratory and intrathoracic organs with 2,363 deaths reported and a corresponding rate of 51.5. The digestive organs and peritoneum ranked second with a death rate of 44.5 per 100,000 population. These 2 sites accounted for 4,404 deaths or 53 percent of all deaths from malignant neoplasms in 1980. For the sites, skin and brain, the white rates were substantially higher than the rates for all other races, and for the sites, male genital organs and uterus, the rates for all other races were substantially higher than the white rates.

Table 25 gives the average annual death rates from malignant neoplasms by race, sex, and age for 1979-1980. The age-specific mortality rates for each race and sex category did not follow a definite pattern for those aged 0 to 24 years. However, beginning with the age group 25-29 years, the rates increased as the age of the decedent increased for every race and sex category reaching the highest level for those aged 75 years and over. Beginning at the age group 45-54 years, males in both racial groups suffered higher death rates than their female counterparts. For persons under 45 years of age, there was no definite pattern by sex. Death rates for males of all other races exceeded those for white males in every age group except those under 5 years, 25-29 years, and 30-34 years. Females of all other races exhibited higher rates than white females in every age group except under 5 years, 5-9 years, 15-19 years, and 30-34 years.

TABLE 25. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR MALIGNANT NEOPLASMS, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1979-1980

Age Group	White		All Other Races	
	Male	Female	Male	Female
All ages.....	206.7	148.6	235.5	156.0
Under 5 years.....	4.7	4.9	4.2	4.4
5-9 years.....	5.3	4.4	7.1	2.9
10-14 years.....	3.4	5.3	7.3	7.3
15-19 years.....	4.6	5.2	7.5	5.0
20-24 years.....	7.6	5.1	8.0	7.5
25-29 years.....	12.1	10.3	11.2	11.5
30-34 years.....	24.3	19.9	21.0	19.7
35-44 years.....	46.5	53.8	72.7	80.5
45-54 years.....	206.9	153.6	446.1	260.0
55-64 years.....	555.9	317.3	877.6	479.1
65-74 years.....	1,075.2	509.2	1,423.8	689.5
75 years and over.....	1,690.4	878.0	1,874.2	940.8

Diabetes Mellitus: In 1980, there were 514 deaths of Tennessee residents due to diabetes mellitus, corresponding to a rate of 11.2 per 100,000 population. Of these, 375 were white and 139, all other races. The death rate for all other races was almost twice as high as the rate for the white population.

Diseases of Heart: Diseases of heart, the leading cause of

death for the State in 1980, accounted for 14,872 deaths, corresponding to a rate of 323.9 per 100,000 population. Of the total number of deaths reported to be due to diseases of heart in 1980, there were 11,089 deaths or 75 percent classified as ischemic heart disease.

Table 26 gives average annual death rates per 100,000 population by race, sex, and age for Tennessee residents for the period 1979-1980 from diseases of heart. Death rates from this cause began increasing gradually in the early adult years for each of the race-sex groups and rose sharply in the middle and older age groups. For persons between the ages of 15 and 74 years, the all other races population experienced higher death rates for both males and females than their white counterparts.

TABLE 26. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR DISEASES OF HEART BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1979-1980

Age Group	White		All Other Races	
	Male	Female	Male	Female
All ages.....	371.4	275.0	360.4	303.5
Under 5 years.....	7.0	5.3	19.8	14.6
5-9 years.....	—	0.7	1.4	—
10-14 years.....	1.3	1.8	2.9	—
15-19 years.....	2.0	0.9	6.3	5.0
20-24 years.....	5.6	1.5	8.0	2.5
25-29 years.....	5.9	2.5	20.9	10.1
30-34 years.....	14.8	7.4	42.0	17.7
35-44 years.....	74.2	14.7	167.2	76.3
45-54 years.....	308.2	75.2	509.0	235.2
55-64 years.....	790.4	239.1	1,120.5	592.3
65-74 years.....	1,756.1	725.0	1,938.8	1,340.6
75 years and over.....	4,467.2	3,349.3	4,026.5	3,239.8

Average annual death rates for diseases of heart for 1979-1980 were higher for males than females in each racial group for all ages combined. In the white population the rate for males exceeded that for females by 35 percent, while the excess in mortality for males of all other races over females was 19 percent.

Cerebrovascular Disease: In 1980, deaths from cerebrovascular disease, the third principal cause of death, numbered 4,310, corresponding to a rate of 93.9 per 100,000 population. Among the white population, deaths from this cause numbered 3,534 with a rate of 92.1; among those of all other races, there were 776 deaths with a rate of 102.7.

Atherosclerosis: Atherosclerosis was the seventh principal cause of death in 1980 with 570 deaths and a rate of 12.4 per 100,000 population. The death rates for females were higher than those for males in each racial group for atherosclerosis. In the white population, the rate for females exceeded that for males by 40 percent, while the excess in mortality for females of all other races over males of all other races was 22 percent. There were only 4 deaths from atherosclerosis in 1980 occurring to persons under 55 years of age, in contrast to 282 deaths to persons aged 85 years and over.

Pneumonia and Influenza: The sixth principal cause of death, pneumonia and influenza, was the cause of 1,037 deaths of Tennessee residents in 1980, corresponding to a rate of 22.6 per 100,000 population. This cause accounted for 876 deaths in the white population, while 161 deaths were reported in the all other races population.

Pneumonia was responsible for 96 percent of all deaths attributed to pneumonia and influenza. Of the 1,000 deaths from pneumonia, 204 were stated to be due to bronchopneumonia, organism unspecified; 90, to bacterial pneumonia; 10, to viral pneumonia; and 696, to other and unspecified pneumonia.

Chronic Obstructive Pulmonary Disease and Allied Conditions: Chronic obstructive pulmonary disease and allied conditions, which ranked as the fifth principal cause of death in 1980, accounted for 1,237 deaths, giving a death rate of 26.9 per 100,000 population. For the white population, the death rate was 29.2 for this cause; among the all other races population, the death rate of 15.4 was much lower than among the white population. In both the white and the all other races populations, the rate for the males was more than twice that for their female counterparts. Of the 1,237 deaths from this group of causes, 800 were assigned to chronic airways obstruction, not elsewhere classified; 269, to emphysema; 94, to bronchitis; 52, to asthma; and 22, to bronchiectasis and extrinsic allergic alveolitis.

Chronic Liver Disease and Cirrhosis: In 1980, there were 451 deaths from chronic liver disease and cirrhosis and a rate of 9.8 per 100,000 population. Of those who died from this cause, 377 were white corresponding to a rate of 9.8, and 74 were all other races with a rate of 9.8.

TABLE 27. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR ACCIDENTS AND ADVERSE EFFECTS, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1979-1980

Age Group	White		All Other Races	
	Male	Female	Male	Female
All ages	78.1	29.6	83.3	31.2
Under 5 years	37.0	20.2	28.2	33.6
5-9 years	16.2	8.9	35.5	16.1
10-14 years	25.6	12.4	24.8	4.4
15-19 years	106.9	39.4	51.3	14.9
20-24 years	132.7	31.3	61.2	10.0
25-29 years	94.6	21.3	85.2	17.3
30-34 years	74.6	18.9	121.3	13.8
35-44 years	65.6	18.9	107.2	14.1
45-54 years	68.5	19.8	108.9	24.8
55-64 years	80.3	20.6	146.6	42.4
65-74 years	96.0	32.9	154.2	86.9
75 years and over	208.6	156.8	364.3	202.7

Accidents and Adverse Effects: Accidents and adverse effects, the fourth principal cause of death, accounted for 2,453 deaths of Tennessee residents during 1980,

corresponding to a rate of 53.4 per 100,000 population. Average annual death rates for accidents and adverse effects by race, sex, and age for 1979-1980 are given in Table 27. For all ages combined, the death rate for males was more than two and one-half times that for females in both the white and the all other races population. The excess mortality in males over females was observed in every age group for both races except for those of all other races under 5 years of age. The increased mortality from accidents among young white persons, particularly males, 15-24 years of age, is associated with the high incidence of motor vehicle accidents.

Comparison of mortality from accidents and adverse effects by race indicates that the average annual death rate for males, all ages combined, of all other races was 7 percent higher than the comparable rate for white males. The average annual death rate for females of all other races was 5 percent higher than the rate for white females. For males, the rates for all other races exceeded the white rates at all ages except under 5 years and 10 to 29 years. Death rates for females of all other races exceeded those for white females in the under 5 years, 5 to 9 years, and 45 years and over age groups.

TABLE 28. NUMBER OF DEATHS FROM ACCIDENTS AND ADVERSE EFFECTS ACCORDING TO TYPE OF ACCIDENT WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1980

Type of Accident	Deaths	
	Number	Rate
Total	2,453	53.4
Motor vehicle (E810-E825)	1,178	25.7
Water transportation (E830-E838)	28	0.6
Air and space transportation (E840-E845)	23	0.5
Other transport (E800-E807, E826-E829, E846-E848)	13	0.3
Poisoning by drugs, medicaments, and biologicals (E850-E858)	57	1.2
Poisoning by other solid and liquid substances, gases, and vapors (E860-E869)	41	0.9
Falls (E880-E888)	253	5.5
Fire and flames (E890-E899)	144	3.1
Natural and environmental factors (E900-E909)	190	4.1
Drowning and submersion (E910)	149	3.2
Suffocation by food or other objects (E911-E912)	78	1.7
Mechanical suffocation (E913)	14	0.3
Struck by falling object (E916)	21	0.5
Machinery (E919)	47	1.0
Firearm missile (E922)	62	1.4
Electric current (E925)	25	0.5
Other (E870-E876, E878-E879, E914-E915, E917-E918, E920-E921, E923-E924, E926-E949)	130	2.8

Data on mortality from accidents and adverse effects according to type of accident in 1980 are given in Table 28. Motor vehicle accidents accounted for 1,178 deaths. The next 4 most frequently reported types of fatal accidents were: falls, 253; natural and environmental factors, 190; drowning and submersion, 149; and fire and flames, 144.

TABLE 29. NUMBER OF DEATHS FROM ACCIDENTS AND ADVERSE EFFECTS BY CLASS OF ACCIDENT WITH PERCENTAGES, RESIDENT DATA, TENNESSEE, 1980

Class of Accident	Number	Percent
Total	2,453	100.0
Home	545	22.2
Motor vehicle	1,178	48.0
Occupational	87	3.5
Other public	359	14.6
Unspecified	284	11.6

In Table 29, the distribution of accidental deaths is shown according to class of accident. Motor vehicles accounted for 48.0 percent of all accidental deaths; home accidents, 22.2 percent; other public, 14.6 percent; occupational, 3.5 percent; and unspecified accidents, 11.6 percent. In addition to the 87 deaths from occupational accidents, there were 34 deaths from accidents which were classified as motor vehicle or other transportation that occurred during the course of gainful employment. Thus, the total number of occupational accidental deaths was 121.

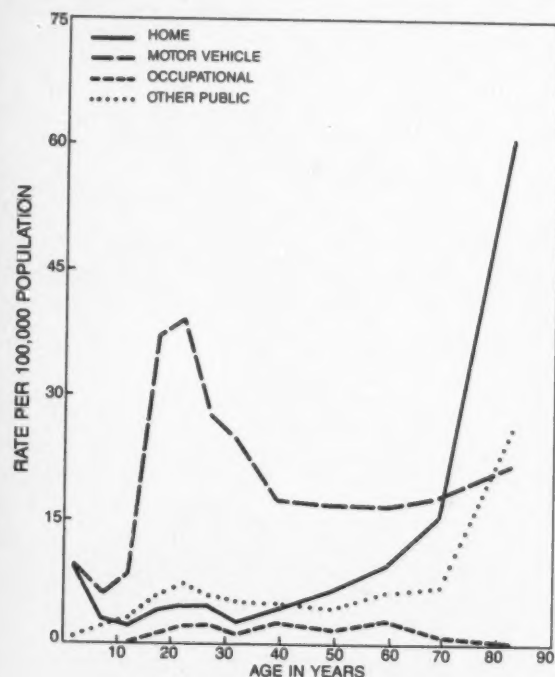


Figure 9. Average Annual Death Rates per 100,000 Population for Accidents and Adverse Effects According to Class of Accident, by Age, Resident Data, Tennessee, 1979-1980

Average annual death rates for each class of accident by age for 1979-1980 are given in Table 30 and Figure 9. The risk of a fatal home accident was comparatively great for children under 5 years of age and for persons 55 years of age and over. Death rates for motor vehicle accidents were highest for young persons 15 to 24 years of age.

In 1980, Tennessee experienced a heat wave; as a result of this heat wave, there were 156 deaths due to excessive heat.

Of these, 39 deaths were of white persons, 116 deaths were of persons of all other races, and 1 death was of unknown race. These 156 deaths can be classified as home accidents, other public accidents, or unspecified type and late effects.

TABLE 30. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR ACCIDENTS AND ADVERSE EFFECTS ACCORDING TO CLASS OF ACCIDENT, BY AGE, RESIDENT DATA, TENNESSEE, 1979-1980

Age Group	Home	Motor Vehicle	Occupational	Other Public
All ages	10.8	27.3	2.0	7.7
Under 5 years	12.2	12.4	—	1.3
5-9 years	4.0	7.9	—	2.7
10-14 years	2.4	11.1	0.1	4.1
15-19 years	5.2	49.2	1.6	7.8
20-24 years	6.0	51.7	2.8	9.5
25-29 years	6.0	36.6	3.2	7.9
30-34 years	3.6	32.9	1.6	6.8
35-44 years	5.7	23.3	3.5	6.6
45-54 years	8.3	22.1	2.4	5.8
55-64 years	12.5	22.1	4.1	8.6
65-74 years	20.6	23.6	1.7	9.3
75 years and over	81.0	28.9	0.5	34.7

Home Accidents: Data regarding deaths from home accidents by type and race are given in Table 31 and are shown by selected types for both races combined in Figure 10. Home accidents accounted for 545 deaths of Tennessee residents in 1980 with a corresponding death rate of 11.9 per 100,000 population. Of these, 362 deaths were of white persons, and 183 were of persons of all other races with death rates of 9.4 and 24.2, respectively. The risk of mortality due to home accidents was over two and one-half times greater for the all other races population than for the white population.

The most frequently reported type of home accident was falls, with 134 deaths; fire and flames ranked second with 130 deaths. Together, these two types of accidents accounted for 48 percent of all home accidents.

TABLE 31. NUMBER OF DEATHS FROM HOME ACCIDENTS ACCORDING TO TYPE OF ACCIDENT WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1980

Type of Accident	All Races		White		All Other Races	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
Total	545	11.9	362	9.4	183	24.2
Poisoning	41	0.9	30	0.8	11	1.5
Falls	134	2.9	113	2.9	21	2.8
Fire and flames	130	2.8	95	2.5	35	4.6
Drowning	14	0.3	8	0.2	6	0.8
Suffocation by food and other object	15	0.3	12	0.3	3	0.4
Mechanical suffocation	8	0.2	5	0.1	3	0.4
Firearm missile	41	0.9	35	0.9	6	0.8
Other	162	3.5	64	1.7	98	13.0

Differences in the risk of mortality between the white and the all other races populations varied according to type of home accident. Death rates for the all other races population were higher than for the white for all home accidents except falls and firearm missile.

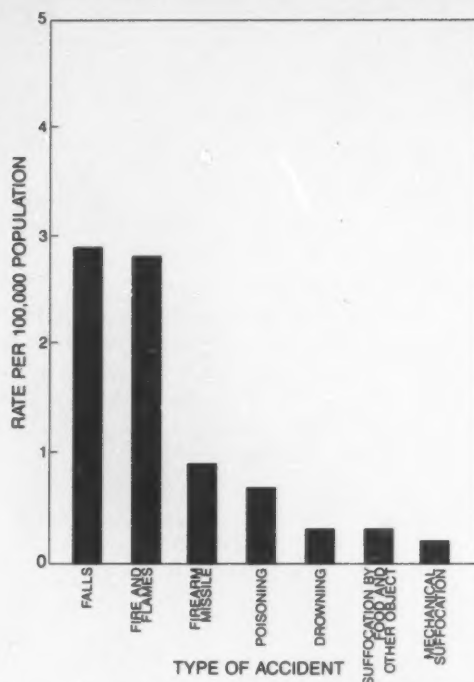


Figure 10. Death Rates per 100,000 Population for Selected Types of Home Accidents, Resident Data, Tennessee, 1980

Motor Vehicle Accidents: Data on mortality from motor vehicle accidents in 1980 according to type of accident are given in Table 32. There were 1,178 deaths of Tennessee residents from such accidents, or 25.7 per 100,000 population. Most of the fatalities, 96.9 percent, occurred on public highways and rights-of-way. In 464 or 39.4 percent of the total deaths, there was a collision with another motor vehicle, and in an additional 10.4 percent or 122 deaths, there was a collision with a pedestrian. Deaths resulting from noncollision accidents on public highways accounted for 197 or 16.7 percent of the total motor vehicle deaths, and the majority of these were due to loss of control of the vehicle.

TABLE 32. NUMBER OF DEATHS FROM MOTOR VEHICLE ACCIDENTS BY TYPE OF ACCIDENT WITH PERCENTAGES, RESIDENT DATA, TENNESSEE, 1980

Type of Accident	Number	Percent
Total	1,178	100.0
On public highway and its right-of-way	1,141	96.9
Collision of motor vehicle with		
Train (E810)	9	0.8
Another motor vehicle (E811-E812)	464	39.4
Other vehicle (E813)	15	1.3
Pedestrian (E814)	122	10.4
Other object (E815)	297	25.2
Noncollision		
Loss of control (E816)	181	15.4
Other (E817-E818)	16	1.4
Unspecified (E819)	37	3.1
On private driveway, industrial premise, road on farm, mine, etc.	37	3.1
Collision of motor vehicle with		
Moving object (E822)	18	1.5
Stationary object (E823)	1	0.1
Other and unspecified (E820-E821, E824-E825)	18	1.5

Suicide: There were 566 deaths of Tennessee residents stated to be by suicide in 1980, with a rate of 12.3 per 100,000 population. The death rate of 13.6 for the white population was almost two and one-half times that of 5.7 for all other races. Also, the death rate (19.2) from suicide for males was more than three times the comparable rate (5.9) for females in 1980.

Homicide and Legal Intervention: In 1980, there were 551 deaths by homicide and legal intervention with a rate of 12.0 per 100,000 population. The rate for all other races of 33.2 was over four times higher than the white rate of 7.8. Mortality from homicide and legal intervention varied by type of county and race. Among the white population, the highest risk was experienced in the metropolitan counties. The death rate from this cause for the all other races population was highest in the metropolitan counties and lowest in the rural counties.

Marriages: In 1980, the 35th year for which data for marriages have been analyzed and included in the *Vital Statistics Bulletin*, 59,176 marriages were recorded in Tennessee. This is the largest number of marriages recorded since records were first kept in 1946. The 59,176 recorded marriages in 1980 represented only a slight increase over the 59,152 marriages recorded in 1979. Since 1970, there were decreases in the number of recorded marriages in only two years, 1974 and 1975. The marked increase in marriages between 1970 and 1973 may have been partly due to lowering the minimum age of brides from 21 years to 18 years. The minimum age for grooms was already 18 years and was unchanged.

TABLE 33. NUMBER OF MARRIAGES RECORDED AND PERSONS MARRIED WITH RATES PER 1,000 POPULATION, TENNESSEE, 1971-1980

Year	Marriages Recorded	Persons Married Number	Rate
1971	50,305	100,610	25.2
1972	56,164	112,328	27.9
1973	56,285	112,570	27.5
1974	54,609	109,218	26.5
1975	51,528	103,056	24.6
1976	53,273	106,546	25.3
1977	55,326	110,652	25.7
1978	57,524	115,048	26.4
1979	59,152	118,304	27.0
1980	59,176	118,352	25.8

In 1980, there were 118,352 persons married in Tennessee, corresponding to a rate of 25.8 per 1,000 population (Table 33). Of the 118,352 persons married in Tennessee, 95,003 or 80 percent were residents of the State, resulting in a rate of 20.7 per 1,000 population for Tennesseans married in Tennessee. This rate was lower than the rate of 21.8 obtained in 1979.

The general trend of the marriage rate for the period 1950-1972 was upward. In the years 1973 to 1975, the marriage rate decreased by percentages of 1, 4, and 7,

respectively. From 1975 to 1979 the marriage rate increased between 2 and 3 percent each year, but for 1980, the rate decreased by 4 percent.

The average number of marriages recorded per day in Tennessee during 1980 was 161.7 (Table 34). There was variation in the average number of marriages per day according to month, with the highest average of 222.0 recorded in June, followed by August with 207.5, and with the lowest average of 113.6 in January.

TABLE 34. NUMBER OF MARRIAGES BY MONTH WITH AVERAGE PER DAY, RECORDED DATA, TENNESSEE, 1980

Month	Number	Average per day	Month	Number	Average per day
Total	59,176	161.7	June	6,661	222.0
January	3,522	113.6	July	5,257	169.6
February	3,874	133.6	August	6,433	207.5
March	4,486	144.7	September	4,603	153.4
April	4,420	147.3	October	4,715	152.1
May	5,437	175.4	November	4,795	159.8
			December	4,973	160.4

In 1980, the most frequently stated age at marriage was 18 years for the bride and 22 years for the groom.

Data regarding the previous marital status of the bride and groom are shown in Table 35. In 45 percent of the marriages, both the bride and the groom were marrying for the first time while in 32 percent of the marriages, both the bride and the groom had been previously married.

TABLE 35. NUMBER OF MARRIAGES ACCORDING TO PREVIOUS MARITAL STATUS OF BRIDE AND GROOM, RECORDED DATA, TENNESSEE, 1980

Groom	Total	Bride			
		Single	Widowed	Divorced	Unknown
Total	59,176	33,402	2,745	22,613	416
Single	33,009	26,608	345	5,900	156
Widowed	2,193	226	1,033	926	8
Divorced	23,699	6,514	1,360	15,757	68
Unknown	275	54	7	30	184

Table XII presents data regarding marriages by place of marriage and by residence of the bride and groom. There were 7 counties with recorded rates of 50 or more persons married per 1,000 population, and 5 of these counties had rates in excess of 100. The rates for residents of these seven counties who married in Tennessee varied between 15.2 and

24.4 per 1,000 population. Six of these seven counties are on or near the Kentucky border. Five of the seven counties are in Middle Tennessee, and two are in East Tennessee.

Divorces: In 1980, the 35th consecutive year for which data for divorces have been analyzed and included in the *Vital Statistics Bulletin*, 30,283 divorces were recorded in Tennessee. This was the largest number of divorces recorded since records were first kept in 1946. There were 60,566 persons granted divorces in 1980, giving a divorce rate of 13.2 divorced persons per 1,000 population. During the 9 years, 1971-1979, the divorce rate showed a sharp upward trend with rates ranging from a level of 8.7 to a level of 13.6 divorced persons per 1,000 population (Table 36). The rate of 13.2 in 1980 showed a 3 percent decrease from the previous record high rate of 13.6 established in 1979.

TABLE 36. NUMBER OF DIVORCES RECORDED AND PERSONS DIVORCED WITH RATES PER 1,000 POPULATION, TENNESSEE, 1971-1980

Year	Divorces Recorded	Persons Divorced Number	Rate
1971	17,376	34,752	8.7
1972	20,601	41,202	10.2
1973	22,072	44,144	10.8
1974	23,734	47,468	11.5
1975	24,701	49,402	11.8
1976	27,084	54,168	12.9
1977	27,502	55,004	12.8
1978	28,474	56,948	13.1
1979	29,792	59,584	13.6
1980	30,283	60,566	13.2

Many factors need to be considered in the interpretation of these divorce statistics. The number of divorces that occurs in a calendar year cannot be related to marriages that occur in the same time period. The marriages that end in divorce may have occurred at various times and in various states. Table XII shows divorces recorded in Tennessee in 1980 by the county where the decree was granted. No analysis was done according to residence of the parties due to incompleteness of residence data on certificates.

Four percent or 1,147 of the 30,283 divorces were obtained within the first year of marriage, and 49 percent or 14,979 were granted to couples who were married 5 years or less. Divorces were granted to 2,841 couples or 9 percent who had been married 20 years or more.

Forty-six percent or 13,816 of the divorces involved no minor children; for another 27 percent or 8,079 of the divorces, only 1 minor child was involved.

TABLE I—POPULATION, BIRTHS AND DEATHS WITH RATES PER 1,000 POPULATION, FETAL DEATHS WITH RATIOS PER 1,000 LIVE BIRTHS, AND INFANT AND NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RECORDED AND RESIDENT DATA, TENNESSEE, 1961-1980

YEAR	ESTIMATED POPULATION			LIVE BIRTHS								DEATHS						
				ALL RACES		WHITE		ALL OTHER RACES				ALL RACES		WHITE		ALL OTHER RACES		
	ALL RACES	WHITE	ALL OTHER RACES	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
RECORDED																		
1961	3,611,660	3,017,272	594,388	83,689	23.2	65,360	21.7	18,329	30.8	34,012	9.4	26,861	8.9	7,131	12.0			
1962	3,647,324	3,048,891	598,433	82,868	22.7	64,751	21.2	18,117	30.3	35,566	9.8	28,135	9.2	7,431	12.4			
1963	3,682,982	3,080,512	602,470	81,391	22.1	63,675	20.7	17,716	29.4	37,241	10.1	29,491	9.6	7,750	12.9			
1964	3,718,644	3,112,124	606,520	82,224	22.1	64,386	20.7	17,837	29.4	36,614	9.8	29,089	9.3	7,525	12.4			
1965	3,754,301	3,143,747	610,554	78,610	20.7	58,682	18.7	16,928	27.7	36,853	9.8	29,573	9.4	7,280	11.9			
1966	3,789,961	3,175,364	614,597	71,919	19.0	56,355	17.7	15,564	25.3	38,028	10.0	30,398	9.6	7,630	12.4			
1967	3,825,626	3,206,983	618,643	70,604	18.5	55,371	17.3	15,233	24.6	37,702	9.9	30,400	9.5	7,302	11.8			
1968	3,861,282	3,238,596	622,686	69,921	18.1	55,082	17.0	14,838	23.8	39,321	10.2	31,366	9.7	7,954	12.8			
1969	3,896,939	3,270,216	626,723	73,156	18.8	57,678	17.6	15,478	24.7	39,925	10.2	32,113	9.8	7,812	12.5			
1970	3,932,000	3,300,914	631,086	75,708	19.3	59,349	18.0	16,359	25.9	40,236	10.2	32,581	9.9	7,654	12.1			
1971	3,990,000	3,349,611	640,389	74,948	18.8	58,700	17.5	16,247	25.4	40,054	10.0	32,473	9.7	7,581	11.8			
1972	4,031,000	3,389,500	641,500	69,473	17.2	54,125	16.0	15,346	23.9	41,614	10.3	33,906	10.0	7,709	12.0			
1973	4,086,000	3,447,700	647,300	67,788	16.6	52,463	15.2	15,325	23.7	42,230	10.3	34,323	10.0	7,902	12.2			
1974	4,129,000	3,479,500	649,500	67,882	16.4	52,763	15.2	15,119	23.3	41,813	10.1	34,168	9.8	7,643	11.8			
1975	4,188,000	3,528,900	659,100	65,752	15.7	50,856	14.4	14,895	22.6	40,967	9.8	33,521	9.5	7,445	11.3			
1976	4,214,000	3,553,400	660,600	65,644	15.6	50,916	14.3	14,725	22.3	41,319	9.8	34,065	9.6	7,252	11.0			
1977	4,299,000	3,627,600	671,400	69,983	16.3	54,421	15.0	15,561	23.2	41,492	9.7	34,170	9.4	7,322	10.9			
1978	4,357,000	3,681,400	675,600	70,202	16.1	53,861	14.6	16,333	24.2	41,066	9.4	34,026	9.2	7,080	10.5			
1979	4,380,000	3,702,000	678,000	72,127	16.5	55,121	14.9	17,006	25.1	41,067	9.4	33,845	9.1	7,222	10.7			
1980	4,581,120	3,835,452	755,668	72,867	15.9	55,753	14.5	17,110	22.6	43,153	9.4	35,461	9.2	7,690	10.2			
RESIDENT																		
1961				182,067	22.7	63,830	21.2	18,236	30.7	32,625	9.0	25,744	8.5	6,880	11.6			
1962				80,893	22.2	62,945	20.6	17,948	30.0	34,025	9.3	28,852	8.8	7,173	12.0			
1963				79,715	21.6	62,145	20.2	17,570	29.0	35,633	9.7	28,223	9.2	7,410	12.3			
1964				190,100	21.5	62,526	20.1	17,572	29.0	34,815	9.4	27,587	8.9	6,918	11.9			
1965				72,990	19.4	56,380	17.9	16,610	27.2	35,049	9.3	28,116	8.9	6,933	11.4			
1966				68,871	18.2	53,769	16.9	15,102	24.6	36,108	9.5	28,873	9.1	7,235	11.8			
1967				67,740	17.7	52,991	16.5	14,749	23.8	35,736	9.3	28,843	9.0	6,893	11.1			
1968				167,029	17.4	52,779	16.3	14,249	22.9	37,373	9.7	29,827	9.2	7,545	12.1			
1969				69,921	17.9	55,133	16.9	14,788	23.6	37,832	9.7	30,441	9.3	7,391	11.8			
1970				72,273	18.4	56,777	17.2	15,493	24.5	38,079	9.7	30,878	9.4	7,200	11.4			
1971				71,202	17.8	56,075	16.7	15,125	23.5	37,783	9.5	30,671	9.2	7,112	11.1			
1972				165,802	16.3	51,609	15.2	14,191	22.1	39,345	9.8	32,039	9.5	7,306	11.4			
1973				164,303	15.7	50,113	14.5	14,187	21.9	39,724	9.7	32,319	9.4	7,394	11.4			
1974				164,154	15.5	50,201	14.4	13,952	21.5	39,376	9.5	32,214	9.3	7,158	11.0			
1975				162,265	14.9	48,453	13.7	13,806	20.9	38,522	9.2	31,504	8.9	7,013	10.6			
1976				162,514	14.8	48,750	13.7	13,760	20.8	38,938	9.2	32,086	9.0	6,847	10.4			
1977				166,632	15.5	52,110	14.4	14,521	21.6	39,080	9.1	32,110	8.9	6,970	10.4			
1978				166,486	15.3	51,183	13.9	15,275	22.6	38,654	8.9	31,964	8.7	6,690	9.9			
1979				168,326	15.6	52,303	14.1	16,021	23.6	38,712	8.8	31,837	8.6	6,875	10.1			
1980				169,102	15.1	52,967	13.8	16,129	21.3	40,713	8.9	33,416	8.7	7,291	9.6			
FETAL DEATHS††																		
YEAR	ALL RACES		WHITE		ALL OTHER RACES		ALL RACES		WHITE		ALL OTHER RACES		ALL RACES		WHITE		ALL OTHER RACES	
	No.	Ratio	No.	Ratio	No.	Ratio	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
RECORDED																		
1961	1,443	17.2	958	14.7	485	26.5	2,518	30.1	1,722	26.3	796	43.4	1,733	20.7	1,253	19.2	490	26.2
1962	1,484	17.9	966	14.9	517	28.5	2,464	29.7	1,668	25.8	796	43.9	1,710	20.6	1,202	18.6	508	28.0
1963	1,436	17.6	903	14.2	532	30.0	2,381	29.3	1,568	24.6	815	46.0	1,639	20.1	1,153	18.1	496	27.4
1964	1,402	17.1	914	14.2	487	27.3	2,425	29.5	1,666	25.9	759	42.6	1,675	20.4	1,175	18.2	500	28.0
1965	1,359	18.0	819	14.0	539	31.8	2,160	28.6	1,423	24.2	737	43.5	1,514	20.0	1,048	17.9	468	27.5
1966	1,262	17.5	865	15.3	395	25.4	1,964	27.3	1,288	22.9	676	43.4	1,368	19.0	935	16.6	433	27.8
1967	1,153	16.3	782	13.8	391	25.7	1,815	25.7	1,219	22.0	596	39.1	1,288	18.2	904	16.3	384	25.2
1968	1,243	17.8	807	14.7	431	29.0	1,686	24.1	1,129	20.5	556	37.5	1,205	17.2	848	15.4	357	24.1
1969	1,180	16.1	758	13.1	421	27.2	1,661	22.7	1,112	19.3	549	35.5	1,216	16.6	829	14.4	387	25.0
1970	1,202	15.9	801	13.5	401	24.5	1,650	21.8	1,140	19.2	510	31.2	1,260	16.6	900	15.2	360	22.0
1971	1,092	14.6	727	12.4	357	22.0	1,615	21.5	1,145	19.5	470	28.9	1,211	16.2	871	14.8	340	20.9
1972	1,081	14.1	685	12.3	314	20.5	1,536	22.1	1,033	19.1	503	32.8	1,140	16.4	773	14.3	367	23.9
1973	1,062	14.2	669	12.8	292	19.1	1,476	21.8	1,010	19.3	465	30.3	1,086	16.0	760	14.5	325	21.2
1974	1,032	13.7	642	12.2	286	18.9	1,253	18.5	845	16.0	408	27.0	936	13.8	635	12.0	301	19.9
1975	1,016	12.4	531	10.4	284	19.1	1,177	17.9	802	15.8	375	25.2	861	13.1	587	11.5	274	18.4
1976	814	12.4	551	10.8	263	17.9	1,136	17.3	759	14.9	377	25.6	825	12.6	557	10.9	268	18.2
1977	1,060	12.3	607	11.2	252	16.2	1,183	16.9	803	14.8	380	24.4	842	12.0	574	10.5	268	17.2
1978	755	10.8	504	9.4	251	15.4	1,126	16.0	763	14.2	363	22.2	816	11.6	546	10.1	270	16.5
1979	1,091	9.6	487	8.5														

TABLE II—DEATHS FROM SELECTED INFECTIOUS AND PARASITIC DISEASES WITH RATES PER 100,000 POPULATION,
RESIDENT DATA, TENNESSEE, 1961-1980§

	Typhoid and paratyphoid fevers (002)	Other salmonella infections (003)	Shigellosis (004)	Amebiasis (006)	Tuberculosis, all forms (010-018)	Tuberculosis of respiratory system (010-012)	Whooping cough (033)	Streptococcal sore throat, scarlatina, and erysipelas (034-035)	Meningococcal infection (036)	Tetanus (037)	Septicemia (038)	Viral encephalitis (049.8-049.9, 062-064)	Measles (055)	Viral hepatitis (070)	Mumps (072)	Rocky Mountain spotted fever (082.0)	Syphilis (090-097)	Gonococcal infections and other venereal diseases (098-099.2, 099.4-099.8)
1961			4	2	291	263	2	11	16	6	41	4	9	23	1	2	36	4
Rate			0.1	0.1	8.1	7.3	0.1	0.3	0.4	0.2	1.1	0.1	0.2	0.6	x	0.1	1.0	0.1
1962	1	2	6	1	290	265	2	9	12	6	41	13	17	29			37	
Rate	x	0.1	0.2	x	8.0	7.3	0.1	0.2	0.3	0.2	1.1	0.4	0.5	0.8			1.0	
1963	3		9	2	278	260	2	6	27	9	44	9	7	28	1		31	
Rate	0.1		0.2	0.1	7.5	7.1	0.1	0.2	0.7	0.2	1.2	0.2	0.2	0.8	x		0.8	
1964	1	1	10		247	226	2	5	25	8	39	6	18	15	2	2	28	
Rate	x	x	0.3		6.6	6.1	0.1	0.1	0.7	0.2	1.0	0.2	0.5	0.4	0.1	0.1	0.8	
1965			2		235	216	1	3	28	10	31	8	5	15	1	4	19	
Rate			0.1		6.3	5.8	x	0.1	0.7	0.3	0.8	0.2	0.1	0.4	x	0.1	0.5	
1966	1		2		223	195	3	4	19	3	52	11	10	23	1	3	27	1
Rate	x		0.1		5.9	5.1	0.1	0.1	0.5	0.1	1.4	0.3	0.3	0.6	x	0.1	0.7	x
1967	1	1	1	2	185	174	1	1	28	2	30	12		23	2	3	28	1
Rate	x	x	x	0.1	4.8	4.5	x	x	0.7	0.1	0.8	0.3		0.6	0.1	0.1	0.7	x
1968		1	4		153	140			22	6	32	9	1	32	1	3	11	1
Rate		x	0.1		4.0	3.6			0.6	0.2	0.8	0.2	x	0.8	x	0.1	0.3	x
1969				1	145	130	1	1	17	2	32	19		37		1	13	
Rate				x	3.7	3.3	x	x	0.4	0.1	0.8	0.5		0.9		x	0.3	
1970	2			1	121	103		1	20	2	23	5	3	38		2	10	1
Rate	0.1			x	3.1	2.6		x	0.5	0.1	0.6	0.1	0.1	1.0		0.1	0.3	x
1971		2	2		125	106		2	12	4	37	6	2	28	1	5	9	4
Rate		0.1	0.1		3.1	2.7		0.1	0.3	0.1	0.9	0.2	0.1	0.7	x	0.1	0.2	0.1
1972		3	1	1	121	108			5	5	38	5	1	27		4	10	3
Rate		0.1	x	x	3.0	2.7			0.1	0.1	0.9	0.1	x	0.7		0.1	0.2	0.1
1973	1	4	2		99	93		2	7	2	48	6	1	31	2	1	15	1
Rate	x	0.1	x		2.4	2.3		x	0.2	x	1.2	0.1	x	0.8	x	x	0.4	x
1974		2			97	85		2	12	1	60	14		35		5	4	1
Rate		x			2.3	2.1		x	0.3	x	1.5	0.3		0.8		0.1	0.1	x
1975		1			103	90		2	7	2	74	26		29		2	5	1
Rate		x			2.5	2.1		x	0.2	x	1.8	0.6		0.7		x	0.1	x
1976		1	1		93	87			11		97	14		26		4	4	
Rate		x	x		2.2	2.1			0.3		2.3	0.3		0.6		0.1	0.1	
1977	1				113	103	1	1	9		73	7	1	13		2	9	
Rate	x				2.6	2.4	x	x	0.2		1.7	0.2	x	0.3		x	0.2	
1978		1	2		68	61			12		113	3		23		2		
Rate		x	x		1.6	1.4			0.3		2.6	0.1		0.5		x		
1979		1	1		63	51	1	1	10		98	4		18		2	6	1
Rate		x	x		1.4	1.2	x	x	0.2		2.2	0.1		0.4		x	0.1	x
1980		1			62	53		2	5		142	7		20		2	4	
Rate		x			1.4	1.2		x	0.1		3.1	0.2		0.4		x	0.1	

§ Cause titles are shown according to the Ninth Revision International Classification of Diseases, 1975. Where necessary, regrouping of causes for 1961-1978 has been done to make numbers for these years correspond as nearly as possible with those for 1979-1980. For more detailed information see page 9 of this Bulletin.
x Rate less than 0.05.

TABLE III—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1961-1980§

YEAR	TOTAL DEATHS*													MALIGNANT NEOPLASMS, ALL SITES														
	ALL RACES				WHITE				ALL OTHER RACES				No.	WHITE				ALL OTHER RACES				No.	WHITE					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
1961	132,625	9.0	125,744	8.5	14,651	9.9	11,092	7.2	6,880	11.6	3,701	13.1	3,179	10.2	4,634	128.3	3,775	125.1	1,906	132.4	1,819	118.1	859	144.5	425	150.2	434	139.4
1962	134,025	9.3	126,852	8.8	15,185	10.2	11,667	7.5	7,173	12.0	3,838	13.5	3,334	10.6	4,650	127.5	3,810	125.0	1,968	131.9	1,842	118.3	840	140.4	403	141.7	437	139.2
1963	135,633	9.7	128,223	9.2	16,272	10.8	11,950	7.6	7,410	12.3	4,015	14.0	3,394	10.7	5,134	139.4	4,187	138.9	2,263	150.3	1,924	122.2	947	157.2	482	168.6	465	146.9
1964	134,815	9.4	127,597	8.9	15,727	10.3	11,867	7.5	7,218	11.9	3,922	13.6	3,296	10.3	4,888	131.4	4,019	129.1	2,090	137.5	1,929	121.2	869	143.3	426	148.2	443	138.8
1965	135,049	9.3	128,116	8.9	16,061	10.5	12,053	7.5	6,933	11.4	3,736	12.9	3,197	9.9	5,106	136.1	4,215	134.1	2,228	145.2	1,987	123.5	893	146.3	475	164.4	418	130.0
1966	136,108	9.5	128,873	9.1	16,589	10.7	12,282	7.5	7,235	11.8	3,884	13.4	3,350	10.3	5,202	137.3	4,277	134.7	2,297	148.3	1,980	121.7	925	150.5	461	158.8	464	143.1
1967	135,736	9.3	128,843	9.0	16,713	10.7	12,128	7.4	6,893	11.1	3,770	12.9	3,123	9.6	5,465	142.9	4,535	141.4	2,403	153.8	2,132	129.7	930	150.3	499	171.0	431	131.9
1968	137,373	9.7	129,827	9.2	17,120	10.9	12,708	7.6	7,545	12.1	4,136	14.1	3,409	10.3	5,713	148.0	4,697	145.0	2,502	158.7	2,195	132.1	1,016	163.2	549	187.2	467	141.8
1969	137,832	9.7	130,441	9.3	17,367	10.9	13,073	7.8	7,391	11.8	4,003	13.6	3,388	10.2	5,737	147.2	4,690	143.4	2,559	160.8	2,131	126.9	1,047	167.1	581	197.1	466	140.4
1970	138,079	9.7	130,278	9.4	17,796	11.1	13,081	7.7	7,200	11.4	3,856	13.0	3,344	10.0	5,984	152.2	4,946	149.8	2,725	169.3	2,231	131.0	1,038	164.5	558	188.2	490	143.5
1971	137,783	9.5	130,671	9.2	17,427	10.7	13,242	7.7	7,112	11.1	3,896	13.0	3,214	9.5	6,070	152.1	5,029	150.1	2,759	169.4	2,270	131.9	1,041	162.6	593	197.1	448	131.9
1972	139,345	9.8	132,039	9.5	18,226	11.1	13,812	7.9	7,306	11.4	4,183	13.9	3,122	9.2	6,266	155.4	5,186	153.0	2,848	172.8	2,338	134.3	1,080	168.4	623	206.7	457	134.4
1973	139,724	9.7	132,319	9.4	18,350	11.0	13,967	7.9	7,394	11.4	4,082	13.4	3,331	9.7	6,501	158.8	5,311	154.0	2,986	178.4	2,325	131.1	1,186	183.2	687	226.4	499	145.1
1974	139,376	9.5	132,214	9.3	18,187	10.8	14,027	7.8	7,158	11.0	3,881	12.8	3,276	9.5	6,718	162.7	5,518	158.6	3,057	181.1	2,461	137.4	1,198	184.4	703	231.1	495	143.8
1975	138,522	9.2	131,504	8.9	17,752	10.4	13,752	7.6	7,013	10.6	3,813	12.3	3,200	9.1	6,969	164.0	5,680	160.4	3,127	182.8	2,533	139.3	1,209	183.4	683	221.1	526	150.2
1976	138,938	9.2	132,066	9.0	18,161	10.5	13,922	7.6	6,847	10.4	3,769	12.1	3,078	8.8	7,196	170.8	5,922	166.7	3,334	193.6	2,588	141.3	1,276	193.2	740	237.9	536	153.4
1977	139,080	9.1	132,110	8.9	18,209	10.4	13,901	7.4	6,970	10.4	3,827	12.1	3,143	8.9	7,507	174.6	6,209	171.2	3,529	200.8	2,680	143.3	1,296	193.3	754	238.3	544	153.2
1978	138,654	8.9	131,964	8.7	17,939	10.1	14,024	7.4	6,890	9.9	3,652	11.5	3,038	8.5	7,492	172.0	6,233	169.3	3,511	197.1	2,722	143.3	1,259	186.4	761	239.1	498	139.4
1979	138,712	8.8	131,837	8.6	17,816	9.9	14,021	7.3	6,875	10.1	3,562	12.1	3,013	8.4	7,792	177.9	6,456	174.4	3,643	203.4	2,813	147.2	1,336	197.1	788	249.9	538	150.0
1980	140,713	8.9	133,416	8.7	18,494	9.9	14,921	7.6	7,291	9.6	3,941	11.1	3,350	8.3	8,304	180.9	6,868	179.1	3,909	209.9	2,959	150.0	1,436	190.0	788	222.5	648	161.4

YEAR	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM													MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS														
	ALL RACES				WHITE				ALL OTHER RACES				No.	WHITE				ALL OTHER RACES				No.	WHITE					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
1961	1,413	39.1	1,149	38.1	573	38.8	576	37.4	264	44.4	154	54.4	110	35.3	683	18.4	555	18.4	486	32.9	69	4.5	106	18.2	88	31.1	20	6.4
1962	1,422	39.0	1,155	38.2	600	40.2	565	36.3	257	42.9	138	48.5	119	37.9	728	20.0	621	20.4	520	34.9	107	6.5	107	17.9	83	29.2	24	7.6
1963	1,489	40.4	1,172	38.0	610	40.5	562	35.7	317	52.6	183	64.0	134	42.3	881	23.9	765	24.8	648	43.0	117	7.4	116	19.3	95	33.2	21	6.6
1964	1,391	37.4	1,134	36.4	578	38.0	556	34.9	287	48.4	140	48.7	117	36.7	797	21.4	670	21.5	583	38.4	87	5.5	127	20.9	109	37.9	18	5.6
1965	1,525	40.6	1,225	39.0	595	38.8	630	39.1	300	49.1	188	65.1	112	34.8	860	22.9	735	23.4	621	40.5	114	7.1	125	20.5	107	37.0	18	5.6
1966	1,541	40.7	1,260	39.7	647	41.8	613	37.7	281	45.7	145	49.9	136	41.9	992	26.2	848	26.7	711	45.9	137	8.4	144	23.4	120	41.3	24	7.4
1967	1,535	42.8	1,300	40.5	660	42.2	640	38.9	336	54.3	189	64.8	147	45.0	1,008	26.3	867	27.0	731	46.8	136	8.3	141	22.8	115	39.4	26	8.0
1968	1,530	39.6	1,243	38.4	595	37.7	648	39.0	287	46.1	157	53.5	130	39.5	1,197	31.0	1,021	31.5	856	54.3	165	9.9	176	28.3	145	49.4	31	9.4
1969	1,540	39.5	1,242	38.0	614	38.6	628	37.4	296	47.5	173	58.7	125	37.7	1,190	30.5	1,014	31.0	879	55.2	135	8.0	176	28.1	149	50.5	27	8.1
1970	1,560	39.7	1,273	38.6	628	39.0	647	38.2	287	45.5	187	53.0	130	38.9	1,351	34.4	1,156	35.0	982	61.2	174	10.3	196	30.9	154	51.9	41	12.3
1971	1,543	41.2	1,325	39.6	674	41.4	651	37.8	318	49.7	195	64.8	123	36.2	1,349	33.8	1,172	35.0	982	60.3	190	11.0	177	27.6	147	48.9	30	8.8
1972	1,562	38.7	1,287	38.0	638	38.7	649	37.3	275	42.9	152	60.4	123	36.2	1,459	36.2	1,223	36.1	1,023	62.1	200	11.5	236	36.8	197	65.4	39	11.5
1973	1,626	39.7	1,278	37.1	679	40.6	599	33.8	347	53.6	197	64.9	150	45.0	1,564	38.2	1,317	38.2	1,107	66.1	210	11.8	247	38.2	198	65.3	49	14.2
1974	1,630	39.5	1,314	37.8	658	39.0	656	36.6	316	48.7	179	58.8	137	39.7	1,691	41.0	1,436	41.3	1,206	71.4	230	12.8	254	39.1	214	70.3	40	11.6
1975	1,717	41.0	1,383	39.2	731	42.7	652	35.9	334	60.7	192	62.1	142	40.6	1,675	40.0	1,422	40.3	1,150	67.2	272	15.0	253	38.4	202	60.4	51	11.6
1976	1,785	42.4	1,447	40.7	738	42.9	709	38.7	338	51.2	183	58.8	155	44.4	1,894	44.9	1,599	45.0	1,307	75.9	292	15.9	295	44.7	233	74.9	62	17.7
1977	1,845	42.9	1,500	41.3	777	44.2	723	38.7	345	51.4	186	58.8	159	44.8	2,041	47.5	1,723	47.1	1,367	77.5	362	19.4	318	47.4	261	82.5	57	16.1
1978	1,763	40.5	1,418	38.5	683	38.3	735	38.7	345	51.1	194	61.0	151	42.3	2,077	47.7	1,798	48.8	1,460	81.8	382	17.8	278	41.3	231	72.5	48	13.4
1979	1,925	43.9	1,517	42.1	785	43.8	772	40.4	368	54.3	214	67.0	154	42.9	2,204	50.3	1,859	50.2	1,464	81.8	395	20.7	345	50.9	281	88.0	64	17.8
1980	2,041	44.5	1,640	42.8	870	46.7	770	39.0	401	53.1	228	64.4	173	43.1	2,383	51.5	2,034	53.0	1,569	84.2	465	23.6	329	43.5	240	67.8	89	22.2

YEAR	MALIGNANT NEOPLASMS OF BREAST													MALIGNANT NEOPLASMS OF GENITAL ORGANS														
	ALL RACES				WHITE				ALL OTHER RACES				No.	WHITE				ALL OTHER RACES				No.	WHITE					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
1961	382	10.6	312	10.3	3	0.2	309	20.1	70	11.8	1	0.4	69	22.2	758	21.0	569	18.9	215	14.6	354	23.0	189	31.8	71	25.1	118	37.9
1962	367	10.6	321	10.5	2	0.1	319	20.5	66	11.0	1	0.4	65	20.7	764	20												

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1961-1980§

YEAR	DIABETES MELLITUS												DISEASES OF HEART															
	WHITE						ALL OTHER RACES						WHITE						ALL OTHER RACES									
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1961	419	11.6	304	10.1	135	9.1	169	11.0	115	19.3	43	15.2	72	23.1	11,119	307.9	9,326	309.1	5,540	375.0	3,786	245.8	1,793	301.7	985	348.0	808	259.5
1962	455	12.5	345	11.3	154	10.3	191	12.3	110	18.4	37	13.0	73	23.3	11,996	328.9	9,971	327.0	5,907	396.0	4,064	261.0	2,025	338.4	1,060	372.6	965	307.4
1963	428	11.6	334	10.8	142	9.4	192	12.2	94	15.6	34	11.9	60	19.0	12,561	341.1	10,481	340.2	6,322	419.9	4,159	264.1	2,080	345.2	1,109	387.8	971	306.8
1964	448	12.0	329	10.6	140	9.2	189	11.9	119	19.6	44	15.3	75	23.5	12,558	337.7	10,377	333.4	6,125	403.0	4,252	267.1	2,181	359.6	1,127	371.3	1,039	325.6
1965	461	12.3	343	10.9	135	8.8	208	12.9	118	19.3	44	15.2	74	23.0	12,763	340.0	10,633	338.2	6,314	411.5	4,319	268.3	2,130	348.9	1,127	380.1	1,003	317.8
1966	492	13.0	368	11.6	164	10.6	204	12.5	124	20.2	29	10.0	86	29.3	13,518	356.7	11,211	353.1	6,732	434.8	4,479	275.3	2,307	375.4	1,230	423.6	1,077	332.2
1967	498	13.0	378	11.8	156	10.0	222	13.5	120	19.4	37	12.7	83	25.4	13,173	344.3	11,069	345.2	6,872	427.0	4,397	267.4	2,104	340.1	1,142	391.3	962	294.2
1968	571	14.8	426	13.2	180	11.4	246	14.8	145	23.3	40	13.6	106	31.9	14,182	367.1	11,716	361.8	7,005	444.2	4,711	283.5	2,466	396.0	1,319	449.7	1,147	348.2
1969	607	15.6	433	13.2	175	11.0	258	15.4	174	27.8	53	18.0	121	36.5	14,345	368.1	11,954	365.5	7,026	441.6	4,928	293.5	2,391	361.5	1,227	416.3	1,164	350.6
1970	619	15.7	460	13.9	190	11.8	270	15.9	159	25.2	64	21.6	95	28.4	14,312	364.0	11,900	360.5	7,005	436.4	4,895	288.7	2,412	382.2	1,286	433.7	1,126	336.5
1971	675	16.9	498	14.9	205	12.6	293	17.0	177	27.6	69	22.9	108	31.8	14,528	364.1	11,984	357.8	6,938	425.9	5,046	293.2	2,544	397.3	1,351	449.0	1,193	351.4
1972	651	16.1	497	14.7	224	13.6	273	15.7	154	24.0	52	17.3	102	30.0	14,946	370.8	12,491	368.5	7,301	442.9	5,190	298.1	2,455	382.7	1,376	456.6	1,079	317.2
1973	610	14.9	454	13.2	196	11.7	258	14.5	156	24.1	53	17.5	103	29.9	15,011	366.6	12,482	362.0	7,276	434.7	5,205	293.4	2,527	390.4	1,298	427.8	1,229	357.4
1974	629	15.2	454	13.0	154	9.1	300	16.7	175	26.9	61	20.1	114	33.0	14,738	356.9	12,303	353.6	7,114	421.4	5,189	289.6	2,435	374.9	1,280	414.2	1,175	340.4
1975	612	14.6	446	12.6	200	11.7	246	13.5	166	25.2	53	17.2	113	32.3	14,303	341.5	11,976	339.4	6,967	407.2	5,009	275.5	2,324	352.6	1,191	385.5	1,133	323.6
1976	548	13.0	397	11.2	147	8.5	250	13.6	151	22.9	55	17.7	96	27.5	14,580	346.0	12,276	345.5	7,022	407.8	5,253	286.8	2,301	348.3	1,201	386.0	1,100	314.7
1977	585	13.1	432	11.9	160	9.1	272	14.5	133	19.8	48	15.2	85	23.9	14,497	337.2	12,098	333.5	6,943	395.1	5,155	275.6	2,399	357.3	1,236	390.7	1,163	327.6
1978	525	12.0	385	10.5	168	9.4	217	11.4	140	20.7	49	15.4	91	25.5	14,176	325.4	11,956	324.8	6,702	376.1	5,254	276.6	2,220	328.6	1,127	354.1	1,093	305.8
1979	552	12.6	406	11.0	169	9.4	237	12.4	146	21.5	47	14.7	99	27.6	14,115	322.3	11,831	319.6	6,734	376.1	5,097	266.7	2,284	336.9	1,213	379.8	1,071	298.6
1980	514	11.2	375	9.8	138	7.4	237	12.0	139	18.4	61	17.2	78	19.4	14,872	323.9	12,419	323.8	6,833	366.9	5,586	283.1	2,450	324.2	1,214	342.8	1,236	307.8
YEAR	ISCHEMIC HEART DISEASE												CEREBROVASCULAR DISEASE															
	WHITE						ALL OTHER RACES						WHITE						ALL OTHER RACES									
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1961	7,773	215.2	6,908	228.9	4,345	294.1	2,563	166.4	865	145.5	507	179.1	358	115.0	4,704	130.2	3,650	121.0	1,826	123.6	1,824	118.4	1,054	177.3	482	170.3	572	183.7
1962	8,501	235.8	7,552	247.7	4,770	315.8	2,842	182.5	1,049	175.3	607	213.4	442	140.8	4,925	135.0	3,772	123.7	1,836	123.1	1,936	124.3	1,153	192.7	562	197.5	591	186.2
1963	9,138	248.1	8,015	260.2	5,093	338.2	2,922	185.6	1,123	186.4	633	221.4	490	154.8	5,008	136.0	3,801	124.4	1,820	120.9	1,981	125.8	1,207	200.3	582	203.5	625	197.5
1964	9,428	253.5	8,161	262.2	5,024	330.5	3,137	197.0	1,267	208.9	705	245.3	562	176.1	4,879	131.2	3,714	119.3	1,784	117.4	1,930	121.2	1,165	192.1	579	201.4	586	183.6
1965	9,812	261.4	8,446	268.7	5,259	342.8	3,187	198.0	1,366	223.7	761	263.4	605	188.1	4,934	131.4	3,773	120.0	1,797	117.1	1,976	122.8	1,161	190.2	550	190.4	611	190.0
1966	10,512	277.4	8,984	282.9	5,669	366.1	3,315	203.8	1,528	248.6	870	299.6	658	202.9	5,025	132.6	3,885	122.3	1,835	118.5	2,050	126.0	1,140	185.5	563	193.9	477	178.0
1967	10,458	273.4	9,035	281.7	5,688	364.0	3,347	203.6	1,423	230.0	827	283.4	596	182.4	5,020	131.2	3,822	119.2	1,849	118.3	1,973	120.0	1,198	193.6	563	193.9	635	194.1
1968	12,945	335.3	10,777	332.8	6,546	415.1	4,231	254.6	2,168	348.2	1,171	399.3	997	302.7	5,146	133.3	3,943	121.8	1,803	114.3	2,140	128.8	1,203	193.2	557	189.6	646	196.1
1969	13,035	334.5	10,920	333.9	6,534	410.7	4,396	261.2	2,115	337.5	1,092	370.5	1,023	308.2	5,096	130.8	3,961	121.1	1,846	116.0	2,115	126.0	1,135	181.1	556	188.6	679	174.4
1970	13,054	332.0	10,897	330.1	6,491	404.4	4,406	259.8	2,157	341.8	1,153	388.9	1,004	300.1	5,057	128.6	3,949	119.6	1,844	114.9	2,105	124.1	1,106	175.6	493	166.3	615	183.8
1971	13,294	333.2	11,004	328.5	6,467	397.0	4,537	263.7	2,290	357.6	1,221	405.8	1,069	314.9	4,997	125.2	3,963	118.3	1,809	111.1	2,154	125.2	1,034	161.5	514	170.8	520	153.2
1972	13,683	339.4	11,487	338.9	6,817	413.6	4,670	268.2	2,196	342.3	1,225	406.5	971	285.5	5,215	129.4	4,168	123.0	1,898	115.2	2,270	130.4	1,047	163.2	507	168.2	540	158.8
1973	13,789	336.7	11,553	335.1	6,815	407.2	4,737	267.0	2,234	345.1	1,142	376.4	1,092	317.5	5,339	130.4	4,267	123.8	1,835	109.6	2,432	137.1	1,071	165.5	510	168.1	561	161.1
1974	13,416	324.9	11,265	323.8	6,597	390.8	4,668	260.6	2,151	331.2	1,104	362.9	1,047	303.2	5,204	128.0	4,204	120.8	1,837	108.8	2,387	132.1	1,000	154.0	431	141.7	569	164.8
1975	13,228	308.7	10,905	309.0	6,426	375.6	4,479	246.4	2,020	306.5	1,045	338.2	975	278.5	4,902	117.0	3,929	111.3	1,887	98.6	2,242	123.3	973	147.6	464	150.2	509	145.4
1976	13,116	311.2	11,127	313.1	6,466	375.5	4,661	254.5	1,986	300.6	1,038	333.6	948	271.3	4,862	115.4	3,938	110.8	1,756	102.0	2,180	119.0	924	139.9	441	141.8	483	138.2
1977	13,011	302.7	10,919	301.0	6,352	361.5	4,567	244.2	2,092	311.6	1,087	343.6	1,005	285.1	4,561	106.1	3,894	101.8	1,573	89.5	2,121	113.4	867	129.1	373	117.9	494	139.1
1978	12,821	289.7	10,697	290.6	6,087	339.9	4,640	244.3	1,924	284.8	981	308.3	943	269.9	4,283	98.3	3,490	94.5	1,477	82.9	2,003	105.4	803	118.9	381	118.7	422	118.1
1979	10,729	245.0	9,441	255.0	5,607	313.1	3,834	200.6	1,288	190.0	693	217.0	595	165.9	4,213	96.2	3,389	91.5	1,424	79.5	1,965	102.8	824	121.5	414	126.6	410	114.

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1961-1980 §

YEAR	INFLUENZA														CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS																	
	WHITE							ALL OTHER RACES							WHITE							ALL OTHER RACES										
	ALL RACES		TOTAL		MALE		FEMALE			TOTAL		MALE		FEMALE			ALL RACES		TOTAL		MALE		FEMALE			TOTAL		MALE		FEMALE		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
1961	81	2.2	48	1.6	16	1.1	32	2.1	33	5.6	16	5.7	17	5.5	413	11.4	360	11.9	239	16.2	121	7.9	53	8.9	35	12.4	18	5.8				
1962	183	5.0	117	3.8	57	3.8	60	3.9	66	11.0	24	8.4	42	13.4	477	13.1	413	43.5	300	20.1	113	7.3	64	10.7	40	14.1	24	7.6				
1963	342	9.3	222	7.2	113	7.5	109	6.9	120	19.9	53	18.5	67	21.2	532	14.4	464	15.1	344	22.8	120	7.6	68	11.3	43	15.0	25	7.9				
1964	52	1.4	35	1.1	17	1.1	18	1.1	17	2.8	7	2.4	10	3.1	501	13.5	432	13.9	327	21.5	105	6.6	69	11.4	52	18.1	17	5.3				
1965	70	1.9	53	1.7	24	1.6	29	1.8	17	2.8	5	1.7	12	3.7	646	17.2	567	18.0	440	28.7	127	7.9	79	12.9	56	19.4	23	7.2				
1966	78	2.1	58	1.8	23	1.5	35	2.2	20	3.3	7	2.4	13	4.0	625	16.5	551	17.4	433	28.0	118	7.3	74	12.0	51	17.6	23	7.1				
1967	45	1.2	30	0.9	12	0.8	18	1.1	15	2.4	5	1.7	10	3.1	630	16.5	555	17.3	436	27.9	119	7.2	75	12.1	59	20.2	16	4.9				
1968	185	4.8	150	4.6	72	4.6	78	4.7	35	5.6	20	6.8	15	4.6	647	16.8	587	18.1	455	28.9	132	7.9	60	9.6	45	15.3	15	4.6				
1969	195	5.0	148	4.5	64	4.0	84	5.0	47	7.5	27	9.2	20	6.0	699	17.9	639	19.5	495	31.1	144	8.6	60	9.6	45	15.3	15	4.5				
1970	174	4.4	152	4.6	77	4.8	75	4.4	22	3.5	12	4.0	10	3.0	718	18.3	654	19.8	519	32.3	135	8.0	64	10.1	49	16.5	15	4.5				
1971	28	0.7	24	0.7	9	0.6	15	0.9	4	0.6	2	0.7	2	0.6	680	17.0	622	18.6	492	30.2	130	7.6	58	9.1	37	12.3	21	6.2				
1972	122	3.0	109	3.2	53	3.2	56	3.2	13	2.0	7	2.3	6	1.8	836	20.7	739	21.8	567	34.4	172	9.9	97	15.1	71	24.9	22	6.5				
1973	127	3.1	112	3.2	56	3.3	56	3.2	15	2.3	9	3.0	6	1.7	902	22.0	809	23.5	621	37.1	186	10.6	93	14.4	71	23.4	22	6.4				
1974	79	1.9	71	2.0	38	2.3	33	1.8	8	1.2	6	2.0	2	0.6	941	22.8	850	24.4	672	39.6	178	9.9	91	14.0	59	19.4	32	9.3				
1975	129	3.1	120	3.4	64	3.7	56	3.1	9	1.4	5	1.6	4	1.1	933	22.3	867	24.6	657	38.4	210	11.6	66	10.0	47	15.2	19	5.4				
1976	156	3.7	139	3.9	61	3.5	78	4.3	17	2.6	7	2.3	10	2.9	997	23.7	898	25.3	673	39.1	225	12.3	99	15.0	77	24.8	22	6.3				
1977	39	0.9	35	1.0	12	0.7	23	1.2	4	0.6	2	0.6	2	0.6	1,043	24.3	946	26.1	677	38.5	269	14.4	97	14.4	74	23.4	23	6.5				
1978	68	1.5	60	1.6	22	1.2	38	2.0	6	0.9	2	0.6	4	1.1	1,148	26.3	1,055	28.7	778	43.7	277	14.6	93	13.8	69	21.7	24	6.7				
1979	11	0.3	8	0.2	4	0.2	4	0.2	3	0.4	1	0.3	2	0.6	1,052	24.0	944	25.5	703	39.3	241	12.6	108	15.9	79	24.7	29	8.1				
1980	37	0.8	33	0.9	15	0.8	18	0.9	4	0.5	2	0.6	2	0.5	1,237	26.9	1,121	29.2	805	43.2	316	16.0	116	15.4	78	22.0	38	9.5				

YEAR	CHRONIC LIVER DISEASE AND CIRRHOSIS														CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER																	
	WHITE							ALL OTHER RACES							WHITE							ALL OTHER RACES										
	ALL RACES		TOTAL		MALE		FEMALE			TOTAL		MALE		FEMALE			ALL RACES		TOTAL		MALE		FEMALE			TOTAL		MALE		FEMALE		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
1961	203	5.6	163	5.4	113	7.6	50	3.2	40	6.7	27	9.5	13	4.2	73	2.0	64	2.1	28	1.9	36	2.3	9	1.5	2	0.7	7	2.2				
1962	206	5.6	161	5.3	110	7.4	51	3.3	45	7.5	20	7.0	25	8.0	92	2.5	77	2.5	32	2.1	45	2.9	15	2.5	6	2.1	9	2.9				
1963	250	6.8	209	6.8	150	10.0	59	3.7	41	6.8	26	9.1	15	4.7	100	2.7	95	3.1	33	2.2	62	3.9	5	0.8	1	0.3	4	1.3				
1964	254	6.8	210	6.7	135	8.9	75	4.7	44	7.3	26	9.0	18	5.6	81	2.2	72	2.3	31	2.0	41	2.6	9	1.5	3	1.0	6	1.9				
1965	258	6.8	197	6.3	120	7.8	77	4.8	59	9.7	30	10.4	29	9.0	98	2.6	91	2.9	36	2.3	55	3.4	7	1.1	1	0.3	6	1.9				
1966	248	6.5	211	6.6	126	8.1	85	5.2	37	6.0	21	7.2	16	4.9	95	2.5	89	2.8	35	2.3	54	3.3	6	1.0	4	1.4	2	0.6				
1967	298	7.8	241	7.5	164	10.5	77	4.7	57	9.2	31	10.6	26	8.0	104	2.7	98	2.7	36	2.3	52	3.2	16	2.6	1	0.3	15	4.6				
1968	297	7.7	246	7.8	168	10.7	78	4.7	51	8.2	26	8.9	25	7.6	102	2.6	98	2.7	42	2.7	46	2.8	14	2.2	3	1.0	11	3.3				
1969	328	8.4	260	8.0	160	10.1	100	6.0	66	10.5	37	12.6	29	8.7	116	3.0	96	3.0	40	2.5	58	3.5	18	2.9	6	2.0	12	3.6				
1970	393	10.0	320	9.7	225	14.0	95	5.6	73	11.6	42	14.2	31	9.3	121	3.1	107	3.2	38	2.4	69	4.1	14	2.2	4	1.3	10	3.0				
1971	354	8.9	300	9.0	202	12.4	98	5.7	54	8.4	33	11.0	21	6.2	112	2.8	104	3.1	47	2.9	57	3.3	8	1.2	2	0.7	6	1.8				
1972	353	8.8	286	8.4	204	12.4	82	4.7	67	10.4	39	12.9	28	8.2	110	2.7	99	2.9	40	2.4	59	3.4	11	1.7	3	1.0	8	2.4				
1973	449	11.0	364	10.6	245	14.6	119	6.7	85	13.1	46	15.2	39	11.3	81	2.0	75	2.2	36	2.2	39	2.2	6	0.9	2	0.7	4	1.2				
1974	444	10.8	369	10.6	241	14.3	128	7.1	75	11.5	43	14.1	32	9.3	88	2.1	79	2.3	29	1.7	50	2.8	9	1.4	1	0.3	8	2.3				
1975	401	9.6	321	9.1	214	12.5	107	5.9	80	12.1	50	16.2	30	8.6	101	2.4	87	2.5	36	2.1	51	2.8	14	2.1	4	1.3	10	2.9				
1976	387	9.2	345	8.7	235	13.6	110	6.0	42	6.4	23	7.4	19	5.4	82	1.9	75	2.1	34	2.0	41	2.2	7	1.1	2	0.6	5	1.4				
1977	407	9.5	341	9.4	221	12.6	120	6.4	66	9.8	42	13.3	24	6.8	71	1.7	61	1.7	30	1.7	31	1.7	10	1.5	3	0.9	7	2.0				
1978	398	9.1	335	9.1	240	13.5	95	5.0	63	9.3	38	11.9	25	7.0	84	1.9	76	2.1	41	2.3	35	1.8	8	1.2	2	0.6	6	1.7				
1979	431	9.8	342	9.2	210	11.7	132	6.9	69	13.1	47	14.7	42	11.7	76	1.7	68	1.8	21	1.2	47	2.5	8	1.2	6	1.9	2	0.6				
1980	451	9.8	377	9.8	266	14.3	111	5.6	74	9.8	46	13.0	28	7.0	82	1.8	74	1.9	30	1.6	44	2.2	8	1.1	4	1.1	4	1.0				

YEAR	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS														COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM*															
	WHITE							ALL OTHER RACES							WHITE							ALL OTHER RACES								
	ALL RACES		TOTAL		MALE		FEMALE			TOTAL		MALE		FEMALE			ALL RACES		FEMALE		FEMALE		FEMALE		FEMALE		FEMALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1961	327	9.1	218	7.2	133	9.0	85	5.5	109	18.3	63	22.3	46	14.8	32			21												
1962	302	8.3	197	6.5	122	8.2	75	4.8	105	17.5	51	17.9	54	17.2	42			23												
1963	325	8.8	219	7.1	137	9.1	82	5.2	106	17.6	60	21.0	46	14.5	38			17												
1964	305	8.2	209	6.7	103	6.8	106	6.7	96	15.8	51	17.7	45	14.1	32			14												
1965	281	7.5	198	6.3	113	7.4	85	5.3	83	13.6	47	16.3	36	11.2	24			9												
1966	247	6.5	167	5.3	106	6.8	61	3.7	80	13.0	47	16.2	33	10.2	24			11												
1967	230	6.0	155	4.8	88	5.6	67	4.1	75	12.1	39	13.4	36	11.0	27			17												
1968	220	5.7	146	4.5	90	5.7	56	3.4	74	11.9	33	11.3	41	12.4	29			12												
1969	208	5.3	134	4.1	79	5.0	55	3.3	74	11.8	33	11.2	41	12.4	24			11												

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1961-1980 8

YEAR	CONGENITAL ANOMALIES														CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD													
	WHITE								ALL OTHER RACES						WHITE								ALL OTHER RACES					
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1961	1420	11.6	1345	11.4	181	12.3	163	10.6	75	12.6	39	13.8	36	11.6	1,256	34.8	901	29.9	545	36.9	356	23.1	355	59.7	211	74.6	144	48.1
1962	405	11.1	390	10.8	179	12.0	151	9.7	75	12.5	44	15.5	31	9.9	1,269	34.8	889	29.2	530	35.5	359	23.1	380	63.5	227	79.8	152	48.6
1963	1422	11.5	1335	10.9	187	12.4	147	9.3	87	14.4	54	18.9	33	10.4	1,192	32.4	812	26.4	482	32.0	330	21.0	380	63.1	211	73.8	168	53.1
1964	1447	12.0	1345	11.1	188	12.4	155	9.7	102	16.8	54	18.8	48	15.0	1,209	32.5	840	27.0	527	34.7	313	19.7	369	60.8	209	72.7	180	50.1
1965	387	10.3	297	9.4	172	11.2	125	7.9	90	14.7	53	18.3	37	11.5	1,094	29.1	746	23.7	451	29.4	293	18.2	348	57.0	201	69.6	147	45.7
1966	1391	10.3	1301	9.5	161	10.4	139	8.5	90	14.6	50	17.2	40	12.3	1,965	25.5	1658	20.7	402	26.0	255	15.7	307	50.0	199	68.5	108	33.5
1967	1372	9.7	1254	9.2	154	9.9	139	8.5	78	12.6	39	13.4	39	11.9	1,913	23.9	1615	19.2	343	21.9	271	16.5	298	48.2	171	58.6	127	38.9
1968	376	9.7	308	9.5	167	10.6	141	8.5	68	10.9	40	13.6	28	8.5	1,859	22.2	1608	18.6	382	33.0	245	14.7	351	40.3	142	48.4	109	33.1
1969	1339	8.7	1278	8.5	157	9.9	120	7.1	61	9.7	31	10.2	31	9.3	1,851	22.6	1627	18.9	342	21.5	243	14.5	298	47.2	158	53.6	138	41.6
1970	381	9.7	307	9.3	155	9.7	112	9.0	74	11.7	35	11.8	39	11.7	1,889	22.6	1627	19.0	387	24.1	239	14.1	262	41.5	124	41.8	138	41.8
1971	339	8.5	284	8.5	171	10.5	113	6.6	55	8.6	24	8.0	31	9.1	1,847	21.2	1604	18.0	340	20.9	282	15.2	243	37.9	143	47.5	100	29.5
1972	1384	9.5	304	9.0	172	10.4	132	7.6	100	12.5	43	14.3	36	10.6	1,754	18.7	1499	14.7	287	17.4	212	12.2	255	38.8	151	50.1	104	30.6
1973	1325	7.9	1266	7.7	134	8.0	131	7.4	59	9.1	32	10.5	27	7.9	1,726	17.7	1499	14.5	291	17.4	206	11.7	226	34.9	137	45.2	80	25.9
1974	304	7.4	242	7.0	133	7.9	109	6.1	62	9.5	32	10.5	30	8.7	1,619	15.0	1412	11.8	225	13.3	187	10.4	1207	31.9	122	40.1	84	24.3
1975	298	7.1	244	6.9	123	7.2	121	6.7	54	8.2	32	10.4	22	6.3	1,526	12.6	1337	9.5	184	10.8	153	8.4	189	28.7	106	34.3	83	23.7
1976	226	5.4	182	5.1	102	5.9	80	4.4	46	7.0	25	8.0	21	6.0	1,522	12.4	1349	9.8	209	12.1	140	7.6	173	26.2	90	28.9	83	23.7
1977	281	6.5	222	6.1	123	7.0	99	5.3	59	8.8	40	12.6	19	5.4	1,481	11.2	1318	8.9	194	11.0	124	6.6	183	24.3	93	29.4	70	19.7
1978	1278	6.4	1219	5.9	126	7.1	92	4.8	59	8.7	27	8.5	32	9.0	1,460	10.6	1304	8.3	172	9.7	132	6.9	156	23.1	64	26.4	72	20.1
1979	280	6.4	231	6.2	129	7.2	102	5.3	49	7.2	29	9.1	20	5.6	1,464	10.5	1274	7.4	157	8.8	117	6.1	190	28.0	106	33.2	84	23.4
1980	1317	6.9	1254	6.6	134	7.2	119	6.0	63	8.3	32	9.0	31	7.7	1,454	9.9	1294	7.7	164	8.8	130	6.6	160	21.2	96	27.1	64	15.5

YEAR	ACCIDENTS AND ADVERSE EFFECTS														MOTOR VEHICLE ACCIDENTS														
	WHITE								ALL OTHER RACES						WHITE								ALL OTHER RACES						
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
1961	1,825	50.5	1,485	49.2	1,024	69.3	461	29.9	340	57.2	220	77.7	120	38.5	795	22.0	5.6	692	22.9	495	33.5	197	12.8	103	17.3	78	27.6	25	8.0
1962	1,967	53.9	1,588	52.1	1,086	72.8	502	32.2	379	63.3	236	83.0	143	45.5	901	24.7	6.2	780	25.6	569	38.1	211	13.5	121	20.2	93	32.7	28	8.9
1963	2,100	57.0	1,724	56.0	1,213	80.6	511	32.4	376	62.4	264	92.3	112	35.4	977	28.5	6.5	844	27.4	619	41.1	225	14.3	133	22.1	102	35.7	31	9.8
1964	2,162	58.1	1,764	56.7	1,240	81.6	524	32.9	398	65.6	281	97.8	117	36.7	1,061	28.5	6.7	911	29.3	651	42.8	260	16.3	150	24.7	110	38.3	40	12.5
1965	2,247	59.9	1,854	59.9	1,308	85.3	576	35.8	363	59.5	264	91.4	99	30.8	1,143	30.4	6.8	1,007	32.0	737	48.0	270	16.8	136	22.3	108	37.4	28	8.7
1966	2,468	65.1	2,039	64.2	1,445	83.3	594	36.5	429	69.8	273	94.0	156	48.1	1,250	33.0	7.0	1,082	34.1	791	51.1	291	17.9	168	27.3	117	40.3	51	15.7
1967	2,496	64.5	2,063	64.0	1,459	85.9	584	35.7	413	68.8	214	107.6	99	30.3	1,286	33.6	6.9	1,107	34.5	818	52.3	289	17.6	179	28.9	136	46.6	43	13.2
1968	2,502	64.8	2,010	62.1	1,429	90.6	581	35.0	402	70.0	335	111.4	136	41.3	1,252	32.4	6.6	1,086	32.9	794	50.4	272	16.4	186	29.9	143	48.8	49	13.1
1969	2,531	64.9	2,055	62.8	1,448	91.0	607	36.2	476	76.0	331	115.3	145	43.7	1,358	34.8	7.0	1,119	34.2	816	51.3	303	18.8	239	38.1	175	59.4	54	15.9
1970	12,582	65.7	2,115	64.1	1,557	97.0	558	32.9	466	73.8	320	107.9	146	43.6	11,406	35.8	6.8	1,218	36.9	907	56.5	311	18.3	187	29.6	136	45.9	51	15.5
1971	2,467	61.8	2,068	61.7	1,478	90.6	593	34.5	399	62.3	270	89.7	129	38.0	1,337	33.5	6.1	1,177	35.1	873	53.6	304	17.7	160	25.0	113	37.6	47	13.8
1972	2,602	64.5	2,153	63.5	1,546	93.8	607	34.9	449	70.0	323	107.2	126	37.0	1,401	34.8	6.0	1,204	35.5	893	54.2	311	17.9	197	30.7	145	48.1	52	15.3
1973	12,698	65.9	2,268	65.8	1,629	97.3	639	36.0	429	66.3	296	97.6	133	38.7	1,442	35.2	5.5	1,246	36.1	930	55.6	316	17.8	196	30.3	141	46.5	55	16.0
1974	2,510	60.8	2,131	61.2	1,519	90.0	612	34.2	379	58.4	250	82.2	129	37.4	1,290	31.2	5.3	1,133	32.6	864	51.2	289	15.0	157	25.2	107	35.2	50	14.5
1975	2,310	55.2	1,936	54.9	1,369	80.0	582	31.2	374	56.7	287	92.9	87	24.8	1,142	27.3	4.1	971	27.5	707	41.3	264	14.5	171	24.9	136	34.0	50	14.0
1976	2,262	53.7	1,956	55.0	1,406	81.7	580	30.0	306	46.3	226	72.6	80	22.9	1,160	27.5	4.1	1,016	28.6	737	42.8	279	15.2	144	21.8	110	35.4	34	9.7
1977	2,440	56.8	2,070	57.1	1,493	85.0	577	30.8	370	55.1	264	83.5	106	29.9	1,245	29.0	4.1	1,082	29.8	814	46.9	288	14.3	163	24.3	130	41.1	33	9.3
1978	2,460	56.5	2,092	56.8	1,526	85.6	566	29.8	368	54.2	268	84.2	100	28.4	1,284	29.7	4.4	1,121	30.5	839	47.1	282	14.8	173	25.6	129	40.5	44	12.3
1979	2,450	53.7	2,007	54.2	1,436	80.2	571	29.9	343	50.6	249	78.0	94	26.2	1,268	28.9	4.4	1,103	28.9	823	45.3	283	15.3	164	24.2	124	38.8	40	11.2
1980	12,453	53.4	1,996	52.0	1,416	76.0	580	29.4	455	60.2	312	88.1	143	35.6	1,178	25.7	3.4	1,046	27.3	756	40.6	290	14.7	132	17.5	112	31.6	20	5.0

YEAR	SUICIDE													HOMICIDE AND LEGAL INTERVENTION														
	WHITE									ALL OTHER RACES				WHITE									ALL OTHER RACES					
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1961	346	9.6	336	11.1	268	18.1	68	4.4	10	1.7	7	2.5	3	1.0	263	7.3	118	3.9	94	6.4	24	1.6	145	24.4	122	43.1	23	7.4
1962	401	11.0	379	12.4	309	20.7	70	4.5	22	3.7	21	7.4	1	0.3	264	7.2	113	3.7	84	5.6	29	1.9	151	25.2	130	45.7	21	6.7
1963	359	9.7	337	10.9	269	17.9	68	4.3	22	3.7	20	7.0	2	0.6	266	7.3	131	4.3	105	7.0	26	1.7	135	22.4	113	39.5	22	7.0
1964	385	10.6	375	12.0	289	19.0	86	5.4	20	3.3	15	5.2	5	1.6	307	8.3	161	5.2	118	7.8	42	2.6	146	24.1	128	44.5	16	5.6
1965	379	10.1	366	11.3	264	17.2	92	5.7	23	3.8	17	5.9	6	1.9	316	8.4	162	5.2	130	8.5	32	2.0	154	25.2	112	38.8	42	13.1
1966	385	10.2	356	11.2	262	16.9	94	5.8	29	4.7	21	7.2	8	2.5	333	8.8	184	5.2	130	8.4	34	2.1	169	27.5	140	48.2	29	8.9
1967	404	10.6	385	12.0	295	18.9	90	5.5	19	3.1	12	4.1	7	2.1	379	9.9	186	6.3	146	9.3	40	2.4	193	31.2	153	52.4	40	12.2
1968	413	10.7	382	11.8	304	19.3	78	4.7	31	5.0	23	7.8	8	2.4	412	10.7	205	6.3	177	11.0	31	1.9	206	33.1	164	55.9	42	12.9
1969	461	11.8	430	13.1	338	21.2	92	5.5	31	4.9	23	7.8	8	2.4	423	10.9	196	6.0	156	9.8	40	2.4	227	36.2	186	63.1	41	12.4
1970	497	12.6	459	13.9	356	22.2	103	6.1	38	6.0	28	9.4	10	3.0	441	11.2	240	7.3	178	11.1	62	3.7	201	31.8	153	51.6	48	14.3
1971	490	12.3	461	13.8	358	22.0	103	6.0	29	4.5	19	6.3	10	2.9	486	12.2	269	8.0	220	13.5	49	2.8	217	33.9	185	61.5	32	8.4
1972	489	11.6	440	13.0	331	20.1	109	6.3	29	4.5	20	6.6	9	2.6	549	13.6	278	8.2	219	13.3	59	3.4	271	42.2	222	73.7	49	14.4
1973	490	12.0	480	13.3	349	20.9	111	6.3	30	4.6	24	7.9	6	1.7	550	13.4	282	7.6	214	12.8	45	2.7	288	44.5	224	73.8	64	18.6
1974	544	13.2	514	14.6	390	23.1	124	6.9	30	4.6	22	7.2	8	2.3	569	13.8	290	8.3	232	13.7	58	3.2	279	43.0	232	76.3	47	13.6
1975	567	13.5	525	14.9	384	24.4	141	7.8	42	6.4	33	10.2	9	2.6	568	13.6	302	8.6	244	14.3	58	3.2	286	40.4	213	68.9	53	15.1
1976	559	13.3	515	14.5	409	23.8	106	5.8	44	6.7	39	12.5	5	1.4	492	11.7	265	7.5	209	12.1	56	3.1	227	34.4	186	58.6	41	11.7
1977	588	13.7	543	15.0	411	23.4	132	7.1	45	6.7	33	10.4	12	3.4	477	11.1	244	6.7	195	11.1	49	2.8	233	34.7	185	58.5	46	13.5
1978	548	12.6	523	14.2	389	21.8	134	7.1	25	3.7	21	6.6	4	1.1	456	10.5	241	6.5	193	10.8	48	2.5	215	31.8	181	56.9	34	9.5
1979	607	13.9	565	15.3	412	23.0	153	8.0	42	6.2	30	9.4	12	3.3	474	10.8	244	6.6	187	10.4	57	3.0	230	33.9	190	59.5	40	11.2
1980	566	12.3	523	13.6	392	21.0	131	6.6	43	5.7	34	9.6	9	2.2	551	12.0	300	7.8	234	12.6	66	3.3	251	33.2	207	58.5	44	11.0

[§] Cause titles are shown according to the *Ninth Revision International Classification of Diseases, 1975*. Where necessary, regrouping of causes for 1961-1978 has been done to make numbers for these years correspond as nearly as possible with those for 1979-1980. For more detailed information see page 9 of this Bulletin.

† Total includes one or more deaths with race and/or sex not stated.

(1) Rate per 100,000 population.

(2) Rate per 10,000 motor vehicles.

NA Data not available for 1979.

TABLE IV—DEATHS ACCORDING TO CAUSE (9th Rev. ICD), BY RACE, SEX, AND AGE.
RESIDENT DATA, TENNESSEE, 1980

CAUSE OF DEATH		AGE AT DEATH																		
		All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over	
ALL CAUSES	All Races.....	140,713	1929	68	41	32	21	119	146	435	1582	537	550	1,352	12,951	16,269	9,631	10,573	16,469	
	White.....	118,494	346	31	16	12	11	52	64	257	965	303	277	697	1,536	3,379	4,843	4,365	1,937	
	M.....	114,921	278	18	9	12	3	38	53	114	96	102	132	343	756	1,684	3,018	4,570	3,692	
	All Other Races.....	13,941	176	12	10	4	2	18	19	46	93	94	107	188	363	685	809	800	320	
Certain other intestinal infections (007-009)	All Races.....	6	1			1											1	1	1	
	White.....	3															1	1	1	
	M.....	3	1			1											1			
	All Other Races.....																			
Tuberculosis of respiratory system (010-012)	All Races.....	53												2		10	13	17	11	
	White.....	27														4	8	9	6	
	M.....	14												1			2	7	4	
	All Other Races.....	8												1		3	2	1	1	
Tuberculosis, other forms (013-018)	All Races.....	9													2	2	4		1	
	White.....	3														1	1		1	
	M.....	1														1	1			
	All Other Races.....	4												1		1	2			
Streptococcal sore throat, scarlatina, and erysipelas (034-035)	All Races.....	2												1	1					
	White.....	1																		
	M.....	1												1						
	All Other Races.....																			
Meningococcal infection (036)	All Races.....	5	3		1									1						
	White.....	4	3		1															
	M.....	1												1						
	All Other Races.....																			
Septicemia (038)	All Races.....	142	5	1				1	2			1	1	6	7	18	29	48	23	
	White.....	49	2					1						2	4	7	16	15	2	
	M.....	49										1		2	1	5	6	18	15	
	All Other Races.....	24	1	1									1	1	1	4	4	9	2	
Viral encephalitis (049.8-049.9, 062-064)	All Races.....	7	1													4		1		
	White.....	2														2				
	M.....	5	1													2		1		
	All Other Races.....																			
Viral hepatitis (070)	All Races.....	20	2									5	1	3	2	3	1	2		
	White.....	8	1								1	1	1	2	3	3	1	2		
	M.....	7																1		
	All Other Races.....	4	1								1	2	1	1	1			1		
Rocky Mountain spotted fever (082.0)	All Races.....	2									1					1				
	White.....	1																		
	M.....	1																		
	All Other Races.....										1									
Syphilis (090-097)	All Races.....	4													1		3			
	White.....	1															1			
	M.....	1															1			
	All Other Races.....	2																		
All other infectious and parasitic diseases (001-003, 005, 020-032, 037, 039-041, 046-048, 049.0-049.1, 050-054, 056-061, 065-066, 071-081, 082.1-082.3, 082.8-082.9, 083-088, 098-139)	All Races.....	78	4	1	1			3		3	2		3	7	9	13	15	13	4	
	White.....	34	2	1				1		2	1		1	3	2	8	5	4	4	
	M.....	26	1		1					1				1	4	4	5	7		
	All Other Races.....	7						2					1	1	1		2	1		
Malignant neoplasms (140-208)	All Races.....	16,304	3	4	3	3	4	20	20	20	27	49	73	267	925	1,952	2,566	1,791	576	
	White.....	3,909		2	2	1	3	10	3	8	13	22	35	102	397	971	1,238	847	205	
	M.....	2,959	2	2		2		5	12	6	9	19	28	124	331	652	829	686	272	
	All Other Races.....	1788	1			1		3	2	3	2	3	6	16	94	190	260	159	48	
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unsp. nature (210-239)	All Races.....	112	1									1	1	4	8	8	20	27	28	
	White.....	49									1			2	3	3	10	10	14	
	M.....	43																	5	
	All Other Races.....	7								1	1			2	4	3	6	11	12	
Diabetes mellitus (250)	All Races.....	514		1		1						2	1	5	8	20	38	93	148	
	White.....	138										1		2	4	6	17	25	33	
	M.....	237												1	2	7	10	36	77	
	All Other Races.....	61	1								1			2	5	4	13	19	16	
Nutritional deficiencies (260-269)	All Races.....	78										2		2	7	16	15	26	10	
	White.....	60	1											3	3	1	5	16	31	
	M.....	12												1	2		4	2	3	
	All Other Races.....	5												2	1	1	1	11	19	
Anemias (280-285)	All Races.....	8																	4	
	White.....	79		1							2			5	5	9	17	24	12	
	M.....	19															6	2	4	
	All Other Races.....	36	1							1				3	3	3	8	14	6	
Meningitis (320-322)	All Races.....	13				1	1					2		3		1	1	3	1	
	White.....	26	10	3		2					1			1		1	3	3	2	
	M.....	11	4	2										1						
	All Other Races.....	8	2	1		1												2	2	

† Includes one or more deaths with age, race, and/or sex not stated.

TABLE IV (Continued)—DEATHS ACCORDING TO CAUSE (9th Rev. ICD), BY RACE, SEX, AND AGE,
RESIDENT DATA, TENNESSEE, 1980

CAUSE OF DEATH		AGE AT DEATH																	
		All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Rheumatic fever and rheumatic heart disease (390-398)	All Races	100										1	3	4	10	30	33	16	3
	White	27												1	2	8	13	3	
	M	62										1	1	1	7	20	17	12	3
	F	4																	
All Other Races	M	7											1	1	1	2	2	1	
	F																		
Hypertensive heart disease (402)	All Races	492										2	3	13	48	78	138	139	71
	White	115										1	1	1	10	20	35	33	14
	M	167													7	15	41	62	42
	F	79												4	12	21	22	17	3
All Other Races	M	131									1	2	8	19	22	40	27	12	
	F																		
Hypertensive heart and renal disease (404)	All Races	65						1						1	1	5	18	27	12
	White	20												1	1	1	7	5	5
	M	24						1								1	4	11	7
	F	8														2	3	3	
All Other Races	M	13														1	4	8	
	F																		
Ischemic heart disease (410-414)	All Races	11,089								1	6	7	27	194	713	1,753	2,959	3,347	2,082
	White	5,597								1	4	4	14	134	505	1,152	1,691	1,459	633
	M	4,183									1		6	24	106	377	999	1,520	1,250
	F	640										2	7	23	65	127	195	153	67
All Other Races	M	667									1	2	7	13	37	95	174	215	132
	F																		
All other forms of heart disease (415-429)	All Races	13,126	26	5			2	2	6	8	10	9	19	53	173	391	693	975	1,753
	White	11,074	7	1					3	2	6	2	7	24	73	166	284	326	192
	M	1,150	7	2			1	1	2	1	1	3	7	5	31	85	205	390	409
	F	483	8	1			1	1	1	2	3	4	3	14	45	91	112	140	57
All Other Races	M	418	4	1						3			2	10	24	49	112	119	94
	F																		
Hypertension, with or without renal disease (401, 403)	All Races	149							1					1	8	22	39	41	37
	White	40													3	2	8	10	17
	M	54														4	16	21	13
	F	27							1							2	10	5	6
All Other Races	M	28												1	3	6	10	4	4
	F																		
Cerebrovascular disease (430-438)	All Races	4,310	6	2	1			3	3	2	4	9	15	67	133	377	929	1,605	1,154
	White	1,508	4	2	1					1	1	3	5	25	51	149	396	571	299
	M	2,026	1					3	1	1	2	2	9	16	36	120	319	792	724
	F	360							1		1	3	1	12	24	48	114	106	48
All Other Races	M	416	1						1			1		14	22	60	100	134	83
	F																		
Atherosclerosis (440)	All Races	570													4	20	62	202	282
	White	193													1	11	28	77	76
	M	289														3	15	90	178
	F	37														2	8	17	10
All Other Races	M	51														4	11	18	18
	F																		
Other diseases of arteries, arterioles and capillaries (441-448)	All Races	342	1									1	4	5	24	49	101	110	47
	White	190	1									1		2	13	32	61	66	14
	M	105											2	2	6	9	28	30	28
	F	32										1		1	4	6	9	9	3
All Other Races	M	15											1	1	1	2	3	5	2
	F																		
Acute bronchitis and bronchiolitis (466)	All Races	16	3										1		1	2	3	2	4
	White	8	1										1		1	1	2	1	1
	M	8	2													1	1	1	3
	F																		
All Other Races	M																		
	F																		
Pneumonia (480-486)	All Races	1,000	22	2	2	2	1	1	5	4	3	4	8	15	32	78	161	307	353
	White	412	6	1			1		3	1	3	2	2	7	9	47	83	117	130
	M	431	6		2	2			2	1		1	4	4	13	18	45	145	188
	F	93	7	1					1		1			2	9	8	24	26	14
All Other Races	M	64	3					1		1		2	2	1	5	9	19	21	
	F																		
Influenza (487)	All Races	37		1		1			1				1	1		3	2	10	17
	White	15		1					1				1			1	1	3	7
	M	18														1	5	10	
	F	2				1											1		
All Other Races	M	2															1		
	F																		
Bronchitis, chronic and unspecified (490-491)	All Races	94	1										1	2	5	15	38	24	8
	White	64	1												5	11	29	18	
	M	25												1		4	8	5	7
	F	3											1				1	1	1
All Other Races	M	2																	
	F																		
Emphysema (492)	All Races	269												3	17	58	96	69	26
	White	183												2	9	42	69	51	10
	M	71												1	5	14	22	15	14
	F	12													3	2	4	2	1
All Other Races	M	3															1	1	1
	F																		
Asthma (493)	All Races	52							2	1		2		3	7	11	15	5	6
	White	19							1	1				1	3	5	4	1	3
	M	18												1	2	4	5	2	2
	F	7												1		2	1	1	1
All Other Races	M	8										1			2		5	1	1
	F																		
Other chronic obstructive pulmonary disease and allied conditions (494-496)	All Races	1,822							1				4	4	42	160	296	244	70
	White	1,539							1				2	2	23	100	203	160	47
	M	202											2	1	14	40	63	64</	

† Includes one or more deaths with age, race, and/or sex not stated.

TABLE IV (Continued)—DEATHS ACCORDING TO CAUSE (9th Rev. ICD), BY RACE, SEX, AND AGE,
RESIDENT DATA, TENNESSEE, 1980

CAUSE OF DEATH			AGE AT DEATH																	
			All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Hernia and intestinal obstruction (550-553,560)	All Races	M	81	3		1			1				1	2	2	11	10	29	21	
	White	F	21			1			1					1		3	2	9	4	
	All Other Races	M	41	2											2	6	4	14	13	
	All Other Races	F	12	1										1		1	4	3	2	
Chronic liver disease and cirrhosis (571)	All Races	M	451	1							2	5	9	53	98	151	91	32	9	
	White	F	266	1							3	5	29	59	97	54	17	1		
	All Other Races	M	111								2	2	9	26	32	24	10	6		
	All Other Races	F	46										4	9	9	13	8	3	2	
Cholelithiasis and other disorders of gallbladder (574-575)	All Races	M	82									1		1	2	10	12	34	22	
	White	F	30													1	3	6	12	
	All Other Races	M	44											1	1	6	5	17	14	
	All Other Races	F	4													1		3		
Acute glomerulonephritis and nephrotic syndrome (580-581)	All Races	M	10				1								2	1	3	3		
	White	F	5				1									1	1	2		
	All Other Races	M	3														2	1		
	All Other Races	F	2												2					
Chronic glomerulonephritis and unspecified nephritis, nephropathy and renal sclerosis (582-583,587)	All Races	M	105									1	1	2	3	18	29	27	24	
	White	F	41											2	1	8	8	11	11	
	All Other Races	M	22												2	3	6	4	7	
	All Other Races	F	15									1	1			2	8	2	1	
Renal failure, disorders resulting from impaired renal function and small kidney of unknown cause (584-586, 588-589)	All Races	M	266	6			1				2		3	7	18	32	58	82	57	
	White	F	72	2			1				1		1	3	8	4	16	22	14	
	All Other Races	M	94	1									1	1	6	8	15	31	32	
	All Other Races	F	43	1							1		1	2	8	11	13	4	4	
Infections of kidney (590)	All Races	M	88									1		1	3	9	19	39	16	
	White	F	27											1	1	2	4	13	6	
	All Other Races	M	49													6	11	24	8	
	All Other Races	F	2														1	1	2	
Hyperplasia of prostate (600)	All Races	M	12														1	4	5	2
	White	F	11															4		
	All Other Races	M	1																	
	All Other Races	F																		
Complications of pregnancy, childbirth and the puerperium (630-676)	All Races	M	13							3	2	1	4	3						
	White	F	9								1	1	4	3						
	All Other Races	M	4							3	1									
	All Other Races	F																		
Congenital anomalies (740-759)	All Races	M	317	15	6	3	3	12	4	7	6	7	5	7	9	12	10	8	6	
	White	F	134	83	5	2	1	7	1	6	4	3	2	3	5	5	3	2	2	
	All Other Races	M	119	74	5	1		4	2	1	2	2	1	4	3	5	7	5	4	
	All Other Races	F	32	18	2	3	1	1	1			1	1			2		1		
Birth trauma, intrauterine hypoxia, birth asphyxia and respiratory distress syndrome (767-769)	All Races	M	142	140	1						1									
	White	F	65	64	1															
	All Other Races	M	40	39							1									
	All Other Races	F	18	18																
Other conditions originating in the perinatal period (760-766, 770-779)	All Races	M	312	308		1		1			1		1							
	White	F	99	98							1									
	All Other Races	M	90	88					1											
	All Other Races	F	78	78																
Symptoms, signs and ill-defined conditions (780-799)	All Races	M	1760	126	1		1		1	3	2	2	6	15	142	112	162	160	126	
	White	F	360	48			1			1	2	2	1	3	9	21	65	90	74	43
	All Other Races	M	255	36	1									2	4	14	29	41	65	64
	All Other Races	F	179	22										2	4	13	18	9	10	
All other diseases (240-246, 251-259, 270-279, 286-319, 323-389, 451-465, 470-478, 494-530, 534-537, 555-558, 562-570, 572-573, 576-579, 591-599, 601-629, 680-739)	All Races	M	2,314	25	7	7	4	2	22	22	24	23	34	41	105	191	343	482	602	380
	White	F	911	3	2	4			13	10	10	12	15	12	50	82	163	210	219	106
	All Other Races	M	935	8		1	3	2	6	4	11	3	5	10	27	50	92	191	300	222
	All Other Races	F	270	9	4	2			1	5	1	7	8	10	14	40	51	50	47	21
Motor vehicle accidents (E810-E825)	All Races	M	1,178	12	10	7	6	2	20	39	199	215	147	111	116	92	80	71	40	11
	White	F	756	5	7	2	6	2	6	22	129	155	111	66	75	57	51	31	22	9
	All Other Races	M	290	4	2	2			8	15	58	39	20	24	30	26	21	29	10	2
	All Other Races	F	112	3		2			3	1	11	18	14	19	11	6	7	9	8	
All other accidents and adverse effects (E800-E907, E926-E949)	All Races	M	1,275	22	10	10	4	5	31	28	81	198	78	57	112	113	139	146	217	122
	White	F	660	10	5	4	1	3	12	14	55	74	51	41	71	67	81	72	70	29
	All Other Races	M	290	3	3	2	2		7	7	15	12	10	3	16	14	17	22	96	61
	All Other Races	F	200	4	1	3	1		9	6	10	10	14	12	20	23	24	24	24	15
Suicide (E950-E959)	All Races	M	566							1	27	59	63	60	99	90	71	58	33	5
	White	F	392							1	19	39	43	35	68	82	49	42	30	4
	All Other Races	M	131								6	10	15	17	24	22	21	13	2	1
	All Other Races	F	34								2	9	2	7	5	5	1	3		
Homicide and legal intervention (E960-E978)	All Races	M	1,551			2		1	5	36	95	88	64	115	53	52	25	11	2	
	White	F	1,234			1			1	2	10	38	31	29	49	24	25	13	8	2
	All Other Races	M	166							2	11	6	12	4	16	5	4	3	2	
	All Other Races	F	207							1	13	39	38	28	42	20	20	7	1	
All other external causes (E980-E999)	All Races	M	110	1	1		1			1	9	18	13	11	21	8	16	8	1	1
	White	F	74								9	10	7	8	14	7	14	3	1	1
	All Other Races	M	26		1							7	4	3	7		1	2		
	All Other Races	F	6		1							1	1					3		

† Includes one or more deaths with age, race, and/or sex not stated.

TABLE V—DEATHS ACCORDING TO 211 SELECTED CAUSES (9th Rev. ICD), WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1980

CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES		CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES	
	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate
ALL CAUSES*	140,713	8.9	33,416	8.7	7,291	9.6	Malignant neoplasm of prostate (185)	458	10.0	345	9.0	113	15.0
Typhoid and paratyphoid fevers (002)							Malignant neoplasm of other male genital organs (186-187)	19	0.4	15	0.4	4	0.5
Shigellosis (004)							Malignant neoplasm of bladder (188)	172	3.7	147	3.8	25	3.3
Other salmonella infections and other food poisoning (bacterial) (003, 005)	2	x	2	0.1			Malignant neoplasm of kidney and other and unspecified urinary organs (189)	170	3.7	148	3.9	22	2.9
Amebiasis (006)							Malignant neoplasm of brain (191)	215	4.7	193	5.0	22	2.9
Certain other intestinal infections (007-009)	6	0.1	6	0.2			Malignant neoplasm of all other and unspecified sites (190, 192-195, 199)	626	13.6	477	12.4	149	19.7
Tuberculosis of respiratory system (010-012)	53	1.2	41	1.1	12	1.6	Lymphosarcoma and reticulosarcoma (200)	85	1.9	80	2.1	5	0.7
Other tuberculosis, excluding late effects (013-018)	9	0.2	4	0.1	5	0.7	Hodgkin's disease (201)	35	0.8	29	0.8	6	0.8
Brucellosis (023)							Other malignant neoplasm of lymphoid and histiocytic tissue (202)	157	3.4	147	3.8	10	1.3
Diphtheria (032)							Multiple myeloma and immunoproliferative neoplasms (203)	155	3.4	115	3.0	40	5.3
Whooping cough (033)							Lymphoid leukemia (204)	102	2.2	85	2.2	17	2.2
Streptococcal sore throat and scarlatina (034)	2	x	2	0.1			Myeloid leukemia (205)	170	3.7	148	3.9	22	2.9
Erysipelas (035)							Other and unspecified leukemia (206-208)	86	1.9	79	2.1	7	0.9
Meningococcal infection (036)	5	0.1	5	0.1			Benign neoplasms (210-229)	43	0.9	36	0.9	7	0.9
Tetanus (037)							Carcinoma in situ (230-234)	1	x	1	x		
Septicemia (038)	142	3.1	98	2.6	44	5.8	Neoplasms of uncertain behavior and unspecified nature (235-239)	68	1.5	55	1.4	13	1.7
All other bacterial diseases (001, 020-022, 024-027, 030, 031, 039-041)	5	0.1	5	0.1			Disorders of thyroid gland (240-248)	17	0.4	13	0.3	4	0.5
Acute poliomyelitis (045)							Diabetes mellitus (250)	514	11.2	375	9.8	139	18.4
Viral encephalitis (049.8-049.9, 062-064)	7	0.2	7	0.2			Diseases of other endocrine glands (251-259)	19	0.4	16	0.4	3	0.4
Measles (055)							Nutritional deficiencies (260-269)	60	1.3	47	1.2	13	1.7
Rubella (066)							Other metabolic disorders and immunity disorders (270-279)	144	3.1	109	2.8	35	4.6
Viral hepatitis (070)	20	0.4	15	0.4	5	0.7	Anemias (280-285)	79	1.7	55	1.4	24	3.2
All other viral diseases (046-049.1, 050-054, 057, 060, 061, 065, 066, 071-079)	25	0.5	19	0.5	6	0.8	All other diseases of blood and blood-forming organs (286-289)	68	1.5	59	1.5	9	1.2
Rocky Mountain spotted fever (082.0)	2	x	2	0.1			Psychoses (290-299)	41	0.9	38	1.0	3	0.4
Other rickettsialoses (080, 081, 082.1-083)							Alcohol dependence syndrome (303)	124	2.7	72	1.9	52	6.9
Malaria (084)							Drug dependence (304)	3	0.1	3	0.1		
Cardiovascular syphilis (093)	2	x	1	x	1	0.1	Other neurotic, personality, and nonpsychotic mental disorders (300-302, 305-316)	109	2.4	91	2.4	18	2.4
Neurosyphilis (094)	2	x	1	x	1	0.1	Mental retardation (317-319)	5	0.1	5	0.1		
All other syphilis (090-092, 095-097)							Meningitis (320-322)	26	0.6	19	0.5	7	0.9
Gonococcal infections (098)							Parkinson's disease (332)	64	1.4	61	1.6	3	0.4
Candidiasis (112)	6	0.1	5	0.1	1	0.1	Other hereditary and degenerative diseases of the central nervous system (330-331, 333-337)	112	2.4	100	2.6	12	1.6
Histoplasmosis (115)	6	0.1	5	0.1	1	0.1	Multiple sclerosis (340)	27	0.6	21	0.5	6	0.8
All other mycoses (110, 111, 114, 116-118)	12	0.3	8	0.2	4	0.5	Infantile cerebral palsy (343)	21	0.5	12	0.3	9	1.2
Helminthiasis (120-129)							Epilepsy (345)	43	0.9	25	0.7	18	2.4
All other infectious and parasitic diseases and late effects of other infectious and parasitic diseases (065-088, 099-104, 130-139)	22	0.5	16	0.4	6	0.8	All other diseases of central nervous system (323-326, 338-339, 341-342, 344, 346-359)	118	2.6	91	2.4	27	3.6
Malignant neoplasm of lip, oral cavity, and pharynx (140-149)	164	3.6	135	3.5	29	3.8	Disorders of the eye and adnexa (360-379)	1	x			1	0.1
Malignant neoplasm of esophagus (150)	145	3.2	96	2.5	49	6.5	Diseases of the ear and mastoid process (380-389)	2	x	2	0.1		
Malignant neoplasm of stomach (151)	236	5.1	179	4.7	57	7.5	Acute rheumatic fever (390-392)	1	x			1	0.1
Malignant neoplasm of small intestine, including duodenum (152)	16	0.3	12	0.3	4	0.5	Diseases of mitral valve (394)	47	1.0	39	1.0	8	1.1
Malignant neoplasm of colon (153)	809	17.6	679	17.7	130	17.2	Diseases of aortic valve (395)	1	x	1	x		
Malignant neoplasm of rectum, rectosigmoid junction and anus (154)	170	3.7	139	3.6	31	4.1	Diseases of mitral and aortic valves (396)	16	0.3	15	0.4	1	0.1
Malignant neoplasm of liver and intrahepatic bile ducts (155)	127	2.8	103	2.7	24	3.2	All other chronic rheumatic heart disease (393, 397-398)	35	0.8	34	0.9	1	0.1
Malignant neoplasm of gallbladder and extrahepatic bile ducts (156)	74	1.6	60	1.6	14	1.9	Essential hypertension (401)	38	0.8	20	0.5	18	2.4
Malignant neoplasm of pancreas (157)	413	9.0	335	8.7	78	10.3	Hypertensive heart disease (402)	492	10.7	282	7.4	210	27.8
Malignant neoplasm of retroperitoneum, peritoneum, and other and ill-defined sites within the digestive organs and peritoneum (158-159)	51	1.1	37	1.0	14	1.9	Hypertensive renal disease (403)	111	2.4	74	1.9	37	4.9
Malignant neoplasm of larynx (161)	71	1.5	58	1.5	15	2.0	Hypertensive heart and renal disease (404)	85	1.4	44	1.1	21	2.8
Malignant neoplasm of trachea, bronchus, and lung (162)	2,263	49.3	1,959	51.1	304	40.2	Acute myocardial infarction (410)	16,782	147.7	6,102	159.1	678	89.7
Malignant neoplasm of all other and ill-defined sites within the respiratory system and intrathoracic organs (160, 163-165)	29	0.6	19	0.5	10	1.3	Other acute and subacute forms of ischemic heart disease (411)	62	1.4	46	1.2	16	2.1
Malignant neoplasm of bone and articular cartilage and of connective and other soft tissue (170-171)	66	1.4	56	1.5	10	1.3	Angina pectoris (413)	6	0.1	5	0.1	1	0.1
Malignant neoplasm of skin (172-173)	121	2.6	115	3.0	6	0.8	Old myocardial infarction and other forms of chronic ischemic heart disease (412, 414)	4,239	92.3	3,627	94.6	612	81.0
Malignant neoplasm of female breast (174)	565	12.3	465	12.1	100	13.2	Diseases of pulmonary circulation (415-417)	219	4.8	178	4.6	41	5.4
Malignant neoplasm of male breast (175)	5	0.1	4	0.1	1	0.1	Acute pericarditis, acute and subacute endocarditis, acute myocarditis, and other diseases of pericardium (420-423)	32	0.7	26	0.7	6	0.8
Malignant neoplasm of cervix uteri (180)	134	2.9	92	2.4	42	5.6	Other diseases of endocardium (424)	102	2.2	91	2.4	11	1.5
Malignant neoplasm of other parts of uterus (179, 181, 182)	134	2.9	92	2.4	42	5.6	Cardiomyopathy (425)	124	2.7	94	2.5	30	4.0
Malignant neoplasm of other female genital organs (183-184)	261	5.7	227	5.9	34	4.5	Heart failure (428)	496	10.8	400	10.7	87	11.5
							All other and ill-defined forms of heart disease (426-427, 429)	12,153	46.9	1,426	37.2	726	96.1

* Rate per 1,000 population.

† Includes one or more deaths with race not stated.

x Rate less than 0.05.

TABLE V (Continued)—DEATHS ACCORDING TO 211 SELECTED CAUSES (9th Rev. ICD), WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1980

CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES		CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES	
	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate
Subarachnoid hemorrhage (430).....	147	3.2	119	3.1	28	3.7	Rheumatoid arthritis and other inflammatory polyarthropathies (714).....	45	1.0	42	1.1	3	0.4
Intracerebral and other and unspecified intracranial hemorrhage (431-432).....	459	10.0	340	8.9	119	15.7	Other arthropathies and related disorders (710-712,715-719).....	63	1.4	47	1.2	16	2.1
Occlusion and stenosis of procerebral arteries (433).....	40	0.9	31	0.8	9	1.2	Dorsopathies (720-724).....	2	x	2	0.1		
Occlusion of cerebral arteries (434).....	799	17.4	660	17.2	139	18.4	Rheumatism, excluding the back (725-729).....	8	0.2	8	0.2		
Acute but ill-defined cerebrovascular disease (436).....	2,287	49.8	1,902	49.6	385	50.9	Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739).....	15	0.3	14	0.4	1	0.1
Other and ill-defined and late effects of cerebrovascular disease (435,437-438).....	578	12.6	482	12.6	96	12.7	Spina bifida (741).....	5	0.1	5	0.1		
Atherosclerosis (440).....	570	12.4	482	12.6	88	11.6	All other congenital anomalies of nervous system (740,742).....	38	0.8	29	0.8	9	1.2
Aortic aneurysm (441).....	205	4.5	184	4.8	21	2.8	Congenital anomalies of heart (745-746).....	116	2.5	95	2.5	21	2.8
All other diseases of arteries, arterioles, and capillaries (442-448).....	137	3.0	111	2.9	26	3.4	Other congenital anomalies of circulatory system (747).....	29	0.6	24	0.6	5	0.7
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459).....	109	2.4	94	2.5	15	2.0	All other congenital anomalies (743-744,748-759).....	129	2.8	101	2.6	28	3.7
Acute bronchitis and bronchiolitis (466).....	16	0.3	16	0.4			Certain conditions originating in the perinatal period (760-779).....	454	9.9	294	7.7	160	21.2
Viral pneumonia (480).....	10	0.2	8	0.2	2	0.3	Immaturity (765).....	61	1.3	34	0.9	27	3.6
Pneumococcal and other bacterial pneumonia (481-482).....	90	2.0	72	1.9	18	2.4	Birth trauma (767).....	25	0.5	23	0.6	2	0.3
Bronchopneumonia, organism unspecified (485).....	204	4.4	183	4.8	21	2.8	Intrauterine hypoxia and birth asphyxia (768).....	44	1.0	24	0.6	20	2.6
Pneumonia due to other and unspecified organism (483,486).....	696	15.2	580	15.1	116	15.4	Respiratory distress syndrome (769).....	73	1.6	58	1.5	15	2.0
Influenza (487).....	37	0.8	33	0.9	4	0.5	All other conditions originating in the perinatal period (780-784,786,770-779).....	251	5.5	155	4.0	96	12.7
Bronchitis, chronic and unspecified (490-491).....	94	2.0	89	2.3	5	0.7	Senility without mention of psychosis (797).....	20	0.4	14	0.4	6	0.8
Emphysema (492).....	269	5.9	254	6.6	15	2.0	Symptoms, signs, and ill-defined conditions (790-796,798-799).....	1740	16.1	601	15.7	138	18.3
Asthma (493).....	52	1.1	37	1.0	15	2.0	Railway accidents (E800-E807).....	12	0.3	11	0.3	1	0.1
Chronic airways obstruction, not elsewhere classified (496).....	800	17.4	720	18.8	80	10.6	Motor vehicle traffic accident involving collision with another motor vehicle (E811-E812).....	464	10.1	415	10.8	49	6.5
Empyema and abscess of lung and mediastinum (510,513).....	22	0.5	18	0.5	4	0.5	Motor vehicle traffic accident involving collision with other vehicle or object (E813,E815).....	312	6.8	278	7.2	34	4.5
Pleurisy (511).....	7	0.2	5	0.1	2	0.3	Motor vehicle traffic accident involving collision with pedestrian (E814).....	122	2.7	96	2.5	26	3.4
All other diseases of the respiratory system (480-485, 470-478,494-495,500-508,512,514-519).....	315	6.9	282	6.8	53	7.0	Motor vehicle accident not involving collision on highway (E816-E818).....	197	4.3	184	4.8	13	1.7
Diseases of oral cavity, salivary glands, and jaws (520-529).....	6	0.1	3	0.1	3	0.4	Motor vehicle traffic accidents of other and unspecified nature (E819,E819).....	46	1.0	38	1.0	8	1.1
Gastric ulcer (531).....	39	0.8	35	0.9	4	0.5	Motor vehicle nontraffic accidents (E820-E825).....	37	0.8	35	0.9	2	0.3
Duodenal ulcer (532).....	30	0.7	28	0.7	2	0.3	Other road vehicle accidents (E826-E829).....	28	0.6	25	0.7	3	0.4
Peptic ulcer, site unspecified (533).....	37	0.8	32	0.8	5	0.7	Water transport accidents (E830-E838).....	23	0.5	22	0.6	1	0.1
Gastritis and duodenitis (535).....	13	0.3	12	0.3	1	0.1	Air and space transport accidents (E840-E845).....						
Other diseases of esophagus, stomach, and duodenum (580,534,536,537).....	29	0.6	26	0.7	3	0.4	Vehicle accidents not elsewhere classifiable (E846-E848).....	1	x	1	x		
Appendicitis (540-543).....	18	0.4	12	0.3	6	0.8	Accidental poisoning by drugs, medicaments and biologicals (E850-E858).....	57	1.2	41	1.1	16	2.1
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560).....	81	1.8	62	1.6	19	2.5	Accidental poisoning by other solid and liquid substances, gases, and vapors (E860-E869).....	41	0.9	32	0.8	9	1.2
Regional enteritis and idiopathic proctocolitis (555-556).....	12	0.3	12	0.3			Misadventures during surgical and medical care, abnormal reactions, and late complications (E870-E879).....	27	0.6	21	0.5	6	0.8
All other noninfective gastroenteritis and colitis (557-558).....	138	3.0	123	3.2	15	2.0	Accidental falls (E880-E888).....	253	5.5	223	5.8	30	4.0
Diverticula of intestine (562).....	58	1.3	50	1.3	8	1.1	Accidents caused by fire and flames (E890-E899).....	144	3.1	107	2.8	37	4.9
Chronic liver disease and cirrhosis (571).....	451	9.8	377	9.8	74	9.8	Accidents due to natural and environmental factors (E900-E909).....	1190	4.1	66	1.7	123	16.3
Cholelithiasis and other disorders of gallbladder (574-575).....	82	1.8	74	1.9	8	1.1	Accidental drowning and submersion (E910).....	1149	3.2	110	2.9	38	5.0
All other diseases of digestive system (564-570, 572-573,576-579).....	265	5.8	202	5.3	63	8.3	Suffocation by food or other objects (E911-E912).....	78	1.7	64	1.7	14	1.9
Acute glomerulonephritis (580).....	2	x	1	x	1	0.1	Accident caused by firearm missile (E922).....	62	1.4	53	1.4	9	1.2
Nephrotic syndrome (581).....	8	0.2	7	0.2	1	0.1	All other accidents and late effects of accidental injury (E913-E921,E923-E929).....	205	4.5	170	4.4	35	4.6
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587).....	105	2.3	63	1.6	42	5.6	Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949).....	5	0.1	4	0.1	1	0.1
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589).....	266	5.8	166	4.3	100	13.2	Suicide and selfinflicted injury by firearms and explosives (E955).....	418	9.1	390	10.2	28	3.7
Infections of kidney (590).....	88	1.9	76	2.0	12	1.6	All other suicides and selfinflicted injuries (E950-E954,E956-E959).....	148	3.2	133	3.5	15	2.0
Urinary calculus (592,594).....	11	0.2	8	0.2	3	0.4	Assault by firearms and explosives (E963).....	415	9.0	228	5.9	187	24.7
All other diseases of urinary system (591,593,595-599).....	234	5.1	173	4.5	61	8.1	All other homicides and injury purposely inflicted by other persons (E960-E964,E966-E969).....	133	2.9	71	1.9	62	8.2
Hyperplasia of prostate (600).....	12	0.3	11	0.3	1	0.1	Legal intervention (E970-E978).....	3	0.1	1	x	2	0.3
Other diseases of male genital organs (601-608).....	13	0.3	10	0.3	3	0.4	Injury by firearms and explosives, undetermined whether accidentally or purposely inflicted (E985).....	46	1.0	46	1.2		
Disorders of breast (610-611).....	1	x	1	x			All other injury undetermined whether accidentally or purposely inflicted (E980-E984, E986-E989).....	62	1.4	52	1.4	10	1.3
Diseases of female genital organs (614-629).....	10	0.2	8	0.2	2	0.3	Injury resulting from operations of war (E990-E999).....	2	x	2	0.1		
Pregnancy with abortive outcome (630-638).....	1	x			1	0.1							
Hemorrhage of pregnancy and childbirth (640-641,666).....	3	0.1	2	0.1	1	0.1							
Toxemia of pregnancy, childbirth and the puerperium (642.4-642.9,643).....	2	x	1	x	1	0.1							
Other complications of pregnancy, childbirth and the puerperium (642.0-642.3,644-665,667-676).....	7	0.2	6	0.2	1	0.1							
Infections of skin and subcutaneous tissue (680-686).....	12	0.3	9	0.2	3	0.4							
All other inflammatory conditions and diseases of skin and subcutaneous tissue (690-709).....	30	0.7	20	0.5	10	1.3							

† Includes one or more deaths with race not stated.

x Rate less than 0.05.

TABLE VI — BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

	STATE			ANDERSON			BEDFORD-			BENTON		
	ALL RACES 4,591,120 No. Rate	WHITE 3,835,452 No. Rate	OTHER RACES 755,668 No. Rate	ALL RACES 67,346 No. Rate	WHITE 64,043 No. Rate	OTHER RACES 3,303 No. Rate	ALL RACES 27,916 No. Rate	WHITE 24,880 No. Rate	OTHER RACES 3,036 No. Rate	ALL RACES 14,901 No. Rate	WHITE 14,490 No. Rate	OTHER RACES 411 No. Rate
Estimated Population, July 1, 1980												
LIVE BIRTHS	69,102 15.1	52,967 13.8	16,129 21.3	883 13.1	810 12.6	73 22.1	406 14.6	355 14.3	53 17.3	201 13.5	195 13.5	6 14.6
ILLEGITIMATE BIRTHS	13,711 19.8	4,641 8.8	9,070 56.2	125 14.2	90 11.1	35 47.9	57 14.0	29 8.2	28 52.8	26 12.9	23 11.8	3
LOW-WEIGHT BIRTHS (Less than 2500 grams)	5,519 8.0	3,373 6.4	2,146 13.3	61 6.9	56 6.9	5 6.8	39 9.6	28 7.9	11 20.8	14 7.0	14 7.2	
INFANT DEATHS (Under one year of age)	929 13.4	625 11.8	304 18.8	13 14.7	13 16.0		3 7.4	3 8.5		2 10.0	2 10.3	
Neonatal Deaths (Under 28 days of age)	626 9.1	424 8.0	202 12.5	10 11.3	10 12.3		3 7.4	3 8.5		2 10.0	2 10.3	
Under 7 days of age	522	356	166	9	9		3	3		2	2	
7-27 days of age	104	68	36	1	1							
MATERNAL DEATHS (ICD codes 630-676)	13 1.9	9 1.7	4 2.5									
FETAL DEATHS	600 8.7	390 7.4	210 13.0	9 10.2	6 7.4	3 41.1	1 2.5	1 2.8		2 10.0	2 10.3	
INDUCED TERMINATIONS OF PREGNANCY	19,066 275.9	13,840 261.3	5,147 319.1	261 295.6	248 306.2	13 178.1	51 125.0	41 115.5	9 169.8	36 179.1	35 179.5	
TOTAL DEATHS	40,713 8.9	33,416 8.7	7,291 9.6	515 7.6	498 7.8	17 5.1	276 9.9	247 9.9	29 9.5	181 12.1	177 12.2	4 9.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)	6 0.1	6 0.2										
Tuberculosis, all forms (010-018)	62 1.4	45 1.2	17 2.2	1 1.5	1 1.6							
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)	2 0.0	2 0.1										
Meningococcal infection (036)	5 0.1	5 0.1										
Septicemia (038)	142 3.1	98 2.6	44 5.8	1 1.5	1 1.6							
Acute poliomyelitis (045)												
Viral encephalitis (049.5-049.9, 062-064)	7 0.2	7 0.2										
Measles (055)												
Viral hepatitis (070)	20 0.4	15 0.4	5 0.7									
Rocky Mtn. spotted fever (082.0)	2 0.0	2 0.1										
Syphilis (090-097)	4 0.1	2 0.1	2 0.3									
All other infectious & parasitic diseases (remainder of 001-139)	78 1.7	60 1.6	18 2.4				1 3.6	1 4.0				
Malignant neoplasms (140-208)	8,304 180.9	6,868 179.1	1,436 190.0	115 170.8	110 171.8	5	55 197.0	54 217.2	1	42 281.9	41 283.0	1
Lip, oral cavity & pharynx (140-149)	164 3.6	135 3.5	29 3.8	1 1.5	1 1.6		2 7.2	2 8.0				
Digestive organs & peritoneum (150-159)	2,041 44.5	1,640 42.8	401 53.1	21 31.2	21 32.8		10 35.8	10 40.2		17 114.1	16 110.4	1
Respiratory & intrathoracic organs (160-185)	2,363 51.5	2,034 53.0	329 43.5	43 63.2	42 65.6	1	15 53.7	14 56.3	1	12 80.5	12 82.8	
Breast (174-175)	570 12.4	469 12.2	101 13.4	11 16.3	10 15.6		6 21.5	6 24.1		2 13.4	2 13.8	
Female genital organs (179-184)	529 11.5	411 10.7	118 15.6	9 13.4	8 12.5	1	5 17.9	5 20.1				
Male genital organs (185-187)	477 10.4	360 9.4	117 15.5	3 4.5	3 4.7		2 7.2	2 8.0		3 20.1	3 20.7	
Urinary organs (188-189)	342 7.4	296 7.7	47 6.2	2 3.0	2 3.1		2 7.2	2 8.0				
Other & unsp. sites (170-173, 190-199)	1,028 22.4	841 21.9	187 24.7	15 22.3	14 21.9	1	8 28.7	8 32.2		5 33.6	5 34.5	
Leukemia (204-208)	358 7.8	312 8.1	46 6.1	5 7.4	5 7.8		3 10.7	3 12.1		3 20.1	3 20.7	
Other lymphatic & hematopoietic tissue (200-203)	432 9.4	371 9.7	61 8.1	5 7.4	4 6.2	1	2 7.2	2 8.0				
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	112 2.4	92 2.4	20 2.6	1 1.5	1 1.6							
Diabetes mellitus (250)	514 11.2	375 9.8	139 18.4	1 1.5	1 1.6		3 10.7	3 12.1				
Nutritional deficiencies (260-269)	60 1.3	47 1.2	13 1.7									
Anemias (280-285)	79 1.7	55 1.4	24 3.2	2 3.0	1 1.6	1						
Meningitis (320-322)	26 0.6	19 0.5	7 0.9									
Diseases of heart (390-398, 402, 404-429)	14,872 323.9	12,419 323.8	2,450 324.2	138 204.9	134 209.2	4	116 415.5	102 410.3	14	88 590.6	86 593.5	2
Rheumatic fever & rheumatic heart disease (390-398)	100 2.2	89 2.3	11 1.5	2 3.0	2 3.1							
Hypertensive heart disease (402)	492 10.7	282 7.4	210 27.8	4 5.9	4 6.2					1 6.7	1 6.9	
Hypertensive heart & renal disease (404)	65 1.4	44 1.1	21 2.8				1 3.6	1 4.0				
Ischemic heart disease (410-414)	11,089 241.5	9,780 255.0	1,307 173.0	87 129.2	84 131.2	3	75 268.7	66 265.5	9	70 469.8	68 469.3	2
All other forms of heart disease (415-429)	3,126 68.1	2,224 58.0	901 119.2	45 66.8	44 68.7	1	40 143.3	35 140.8	5	17 114.1	17 117.3	
Hypertension, with or without renal disease (401, 403)	149 3.2	94 2.5	55 7.3	3 4.5	2 3.1	1				1 6.7	1 6.9	
Cerebrovascular disease (430-438)	4,310 93.9	3,534 92.1	776 102.7	60 89.1	59 92.1	1	37 132.5	30 120.7	7	13 87.2	13 89.7	
Atherosclerosis (440)	570 12.4	482 12.6	88 11.6	3 4.5	3 4.7							
Other diseases of arteries, arterioles & capillaries (441-448)	342 7.4	296 7.7	47 6.2	2 3.0	2 3.1		1 3.6	1 4.0				
Acute bronchitis & bronchiolitis (460)	16 0.3	16 0.4										
Pneumonia (480-486)	1,000 21.8	843 22.0	157 20.8	10 14.8	10 15.6		5 17.9	5 20.1		3 20.1	3 20.7	
Influenza (487)	37 0.8	33 0.9	4 0.5									
Bronchitis, chronic & unsp. (490-491)	94 2.0	89 2.3	5 0.7	3 4.5	3 4.7							
Emphysema (492)	269 5.9	254 6.6	15 2.0	3 4.5	3 4.7		4 14.3	4 16.1		1 6.7	1 6.9	
Asthma (493)	52 1.1	37 1.0	15 2.0	4 5.9	3 4.7	1						
Other chronic obstructive pulmonary disease & allied conditions (494-496)	822 17.9	741 19.3	81 10.7	9 13.4	9 14.1		2 7.2	1 4.0	1	1 6.7	1 6.9	
Ulcer of stomach & duodenum (531-533)	106 2.3	95 2.5	11 1.5	1 1.5	1 1.6							
Appendicitis (540-543)	18 0.4	12 0.3	6 0.8									
Hernia & intestinal obstruction (550-553, 560)	81 1.8	62 1.6	19 2.5	1 1.5	1 1.6					2 13.4	2 13.8	
Chronic liver disease & cirrhosis (571)	451 9.8	377 9.8	74 9.8	5 7.4	5 7.8		4 14.3	4 16.1		1 6.7	1 6.9	
Cholelithiasis & other disorders of gallbladder (574-576)	82 1.8	74 1.9	8 1.1	2 3.0	2 3.1		1 3.6	1 4.0		1 6.7	1 6.9	
Acute glomerulonephritis & nephrotic syndrome (580-581)	10 0.2	8 0.2	2 0.3									
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	105 2.3	63 1.6	42 5.6	1 1.5	1 1.6		2 7.2	2 8.0				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	266 5.8	166 4.3	100 13.2	2 3.0	2 3.1		3 10.7	3 12.1				
Infections of kidney (590)	88 1.9	76 2.0	12 1.6	1 1.5	1 1.6		1 3.6	1 4.0				
Hyperplasia of prostate (600)	12 0.3	11 0.3	1 0.1									
Complications of pregnancy, childbirth & the puerperium (630-676)	13 1.9	9 1.7	4 2.5									
Congenital anomalies (740-759)	317 6.9	254 6.6	63 8.3	4 5.9	4 6.2		3 10.7	2 8.0	1	2 13.4	2 13.8	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	142 3.1	105 2.7	37 4.9	5 7.4	5 7.8							
Other conditions originating in the perinatal period (760-766, 770-779)	312 6.8	189 4.9	123 16.3	3 4.5	3 4.7		1 3.6	1 4.0				
Symptoms, signs & ill-defined conditions (780-799)	760 16.6	615 16.0	144 19.1	60 89.1	59 92.1	1	8 28.7	7 28.2	1	1 6.7	1 6.9	
All other diseases	2,314 50.4	1,846 48.1	468 61.9	31 46.0	30 46.8	1	5 17.9	4 16.1		5 33.6	5 34.5	
Motor vehicle accidents (E810-E825)	1,178 25.7	1,046 27.3	132 17.5	9 13.4	9 14.1		10 35.8	10 40.2		11 73.8	10 69.0	1
All other accidents & adverse effects (E800-E807, E826-E849)	1,275 27.8	950 24.8	323 42.7	17 25.2	17 26.5		8 28.7	6 24.1	2	9 53.7	8 55.2	
Suicide (E960-E969)	566 12.3	533 13.6	43 5.7	6 11.9	6 12.5		6 21.5	6 24.1		1 6.7	1 6.9	
Homicide & legal intervention (E970-E978)	551 12.0	300 7.8	251 33.2	6 8.9	4 6.2	2	4 14.3	2 8.0	2			
All other external causes (E980-E999)	110 2.4	100 2.6	10 1.3	3 4.5	3 4.7		1 3.6	1 4.0				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	BLEDSOE			BLOUNT			BRADLEY			CAMPBELL		
	ALL RACES 9,478 No. Rate	WHITE 9,125 No. Rate	OTHER RACES 353 No. Rate	ALL RACES 77,770 No. Rate	WHITE 74,859 No. Rate	OTHER RACES 2,911 No. Rate	ALL RACES 67,547 No. Rate	WHITE 64,392 No. Rate	OTHER RACES 3,155 No. Rate	ALL RACES 34,923 No. Rate	WHITE 34,643 No. Rate	OTHER RACES 280 No. Rate
LIVE BIRTHS	114 12.0	111 12.2	3 8.5	1,038 13.3	978 13.1	60 20.6	1,009 14.9	967 15.0	42 13.3	533 15.3	529 15.3	4 14.3
ILLEGITIMATE BIRTHS	13 11.4	11 9.9	2	127 12.2	100 10.2	27 45.0	96 9.5	78 8.1	18 42.9	75 14.1	73 13.8	2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	5 4.4	5 4.5		57 5.5	54 5.5	3 5.0	74 7.3	66 6.8	8 19.0	35 6.6	35 6.6	
INFANT DEATHS (Under one year of age)	3 26.3	3 27.0		14 13.5	13 13.3	1 16.7	19 18.8	18 18.6	1 23.8	3 5.6	3 5.7	
Neonatal Deaths (Under 28 days of age)	2 17.5	2 18.0		7 6.7	7 7.2		12 11.9	11 11.4	1 23.8	1 1.9	1 1.9	
Under 7 days of age	2	2		6	6		11	10	1	1	1	
7-27 days of age				1	1		1	1				
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS				11 10.6	10 10.2	1 16.7	6 5.9	6 6.2		10 18.8	10 18.9	
INDUCED TERMINATIONS OF PREGNANCY	17 149.1	17 153.2		310 298.7	292 298.6	18 300.0	168 166.5	149 154.1	18 428.6	83 155.7	80 151.2	2
TOTAL DEATHS	90 9.5	88 9.6	2 5.7	822 8.0	591 7.9	31 10.6	472 7.0	436 6.8	36 11.4	356 10.2	352 10.2	4 14.3
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				1 1.3	1 1.3							
Whooping cough (040-049)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	1 10.6	1 11.0		1 1.3	1 1.3		1 1.5	1 1.6		1 2.9		1
Acute poliomyelitis (045)												
Viral encephalitis (049.5-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)												
Malignant neoplasms (140-208)	10 105.5	10 109.6		130 167.2	120 160.3	10	94 139.2	88 136.7	6	89 254.8	87 251.1	2
Lip, oral cavity & pharynx (140-149)				1 1.3	1 1.3					2 5.7	2 5.8	
Digestive organs & peritoneum (150-159)	2 21.1	2 21.9		35 45.0	33 44.1	2	16 23.7	15 23.3	1	8 22.9	7 20.2	1
Respiratory & intrathoracic organs (160-185)	4 42.2	4 43.8		42 54.0	39 52.1	3	31 45.9	29 45.0	2	42 120.3	42 121.2	
Breast (174-175)				9 11.6	8 10.7	1	7 10.4	7 10.9		12 34.4	12 34.6	
Female genital organs (176-184)				11 14.1	10 13.4	1	4 5.9	4 6.2		3 8.6	3 8.7	
Male genital organs (185-187)	1 10.6	1 11.0		2 2.6	1 1.3	1	2 3.0	1 1.6	1	3 8.6	3 8.7	
Urinary organs (188-189)				14 18.0	13 17.4	1	2 3.0	2 3.1		3 8.6	3 8.7	
Other & unsp. sites (170-173, 190-199)	2 21.1	2 21.9		7 9.0	6 8.0	1	20 29.6	19 29.5	1	13 37.2	12 34.6	1
Leukemia (204-208)	1 10.6	1 11.0		2 2.6	2 2.7		4 5.9	4 6.2		2 5.7	2 5.8	
Other lymphatic & hematopoietic tissue (200-233)				7 9.0	7 9.4		8 11.8	7 10.9	1	2 5.7	2 5.8	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)							1 1.5	1 1.6		3 8.6	3 8.7	
Diabetes mellitus (250)	2 21.1	2 21.9		6 7.7	6 8.0		5 7.4	4 6.2	1	7 20.0	7 20.2	
Nutritional deficiencies (260-269)				1 1.3	1 1.3		4 5.9	2 3.1	2	1 2.9	1 2.9	
Anemias (280-285)	1 10.6	1 11.0		3 3.9	3 4.0					1 2.9	1 2.9	
Meningitis (320-322)				1 1.3	1 1.3		1 1.5	1 1.6				
Diseases of heart (390-398, 402, 404-429)	40 422.0	39 427.4	1	208 267.5	199 265.8	9	148 219.1	138 214.3	10	113 323.6	112 323.3	1
Rheumatic fever & rheumatic heart disease (390-398)				2 2.6	1 1.3	1	2 3.0	2 3.1		1 2.9	1 2.9	
Hypertensive heart disease (402)				4 5.1	3 4.0	1	6 8.9	3 4.7	3	5 14.3	5 14.4	
Hypertensive heart & renal disease (404)				11 14.1	10 13.4	1	1 1.5	1 1.6		1 2.9		1
Ischemic heart disease (410-414)	22 232.1	21 230.1	1	166 213.4	161 215.1	5	113 167.3	108 167.7	5	88 252.0	88 254.0	
All other forms of heart disease (415-429)	18 189.9	18 197.3		36 46.3	34 45.4	2	26 38.5	24 37.3	2	18 51.5	16 52.0	
Hypertension, with or without renal disease (401, 403)				6 7.7	5 6.7	1	2 3.0	2 3.1		2 5.7	2 5.8	
Cerebrovascular disease (430-438)	5 52.8	5 54.8		100 128.6	94 125.6	6	69 102.2	64 99.4	5	41 117.4	41 118.4	
Atherosclerosis (440)	1 10.6	1 11.0		11 14.1	11 14.7		4 5.9	4 6.2		5 14.3	5 14.4	
Other diseases of arteries, arterioles & capillaries (441-448)				10 12.9	10 13.4		3 4.4	3 4.7		2 5.7	2 5.8	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	2 21.1	2 21.9		19 24.4	18 24.0	1	11 16.3	10 15.5	1	11 31.5	11 31.8	
Influenza (487)										3 8.6	3 8.7	
Bronchitis, chronic & unsp. (490-491)				5 6.4	5 6.7		3 4.4	3 4.7		4 11.5	4 11.5	
Emphysema (492)	1 10.6		1	2 2.6	2 2.7		6 8.9	6 9.3				
Asthma (493)										1 2.9	1 2.9	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 31.7	3 32.9		10 12.9	10 13.4		5 7.4	3 4.7	2	10 28.6	10 28.9	
Ulcer of stomach & duodenum (531-533)				2 2.6	2 2.7		2 3.0	2 3.1		1 2.9	1 2.9	
Appendicitis (540-543)												
Hernia & intestinal obstruction (560-553, 560)				1 1.3	1 1.3		1 1.5	1 1.6		1 2.9	1 2.9	
Chronic liver disease & cirrhosis (571)				5 6.4	5 6.7		6 8.9	5 7.8	1	2 5.7	2 5.8	
Cholelithiasis & other disorders of gallbladder (574-575)				4 5.1	4 5.3							
Acute glomerulonephritis & nephrotic syndrome (580-581)										1 2.9	1 2.9	
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 10.6	1 11.0		3 3.9	3 4.0		1 1.5	1 1.6		2 5.7	2 5.8	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 10.6	1 11.0		1 1.3		1	4 5.9	2 3.1	2			
Infections of kidney (590)	1 10.6	1 11.0		4 5.1	4 5.3		2 3.0	2 3.1				
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 10.6	1 11.0		8 10.3	7 9.4	1	7 10.4	6 9.3	1	1 2.9	1 2.9	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)							2 3.0	2 3.1				
Other conditions originating in the perinatal period (760-766, 770-779)	2 21.1	2 21.9					5 7.4	5 7.8		1 2.9	1 2.9	
Symptoms, signs & ill-defined conditions (780-799)				6 7.7	6 8.0		10 14.8	9 14.0	1	7 20.0	7 20.2	
All other diseases	3 31.7	3 32.9		26 33.4	25 33.4	1	25 37.0	24 37.3	1	17 48.7	17 49.1	
Motor vehicle accidents (E810-E825)	7 73.9	7 76.6		11 14.1	11 14.7		18 26.6	18 28.0		10 28.6	10 28.9	
All other accidents & adverse effects (E800-E807, E826-E849)	2 21.1	2 21.9		17 21.9	16 21.4	1	15 22.2	14 21.7	1	12 34.4	12 34.6	
Suicide (E960-E969)	1 10.6	1 11.0		13 16.7	13 17.4		14 20.7	13 20.2		1 2.9	1 2.9	
Homicide & legal intervention (E970-E979)	4 43.2	4 43.8		4 5.1	4 5.3		3 4.4	2 3.1	1	6 17.2	6 17.3	
All other external causes (E980-E999)	1 10.6	1 11.0		3 3.9	3 4.0							

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	CANNON			CARROLL			CARTER			CHEATHAM		
	All Races 10,234 No. Rate	White 10,022 No. Rate	Other Races 212 No. Rate	All Races 25,285 No. Rate	White 24,956 No. Rate	Other Races 3,329 No. Rate	All Races 50,205 No. Rate	White 49,647 No. Rate	Other Races 558 No. Rate	All Races 21,616 No. Rate	White 20,971 No. Rate	Other Races 645 No. Rate
LIVE BIRTHS	142 13.9	138 13.8	4 18.9	393 13.9	340 13.6	53 15.9	637 12.7	631 12.7	6 10.8	316 14.6	306 14.6	10 15.5
ILLEGITIMATE BIRTHS	12 8.5	11 8.0	1	51 13.0	26 7.6	25 47.2	66 10.4	64 10.1	2	25 7.9	22 7.2	3 30.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	10 7.0	9 6.5	1	36 9.2	29 8.5	7 13.2	35 5.5	33 5.2	2	16 5.1	16 5.2	
INFANT DEATHS (Under one year of age)	2 14.1	2 14.5		11 28.0	4 11.8	7 132.1	7 11.0	7 11.1		3 9.5	3 9.8	
Neonatal Deaths (Under 28 days of age)	2 14.1	2 14.5		8 20.4	4 11.8	4 75.5	4 6.3	4 6.3		1 3.2	1 3.3	
Under 7 days of age	2	2		7	4	3	4	4				
7-27 days of age				1		1				1	1	
MATERNAL DEATHS (ICD codes 630-676)							1 15.7	1 15.8				
FETAL DEATHS				2 5.1		2 37.7	4 6.3	4 6.3		1 3.2	1 3.3	
INDUCED TERMINATIONS OF PREGNANCY	15 105.6	15 108.7		73 185.8	60 176.5	13 245.3	43 67.5	43 68.1		56 177.2	54 176.5	2 200.0
TOTAL DEATHS	87 8.5	82 8.2	5 23.6	335 11.8	287 11.5	48 14.4	400 8.0	394 7.9	6 10.8	149 6.9	142 6.8	7 10.9
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							1 2.0	1 2.0				
Whooping cough (033)							1 2.0	1 2.0		1 4.6	1 4.8	
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				2 7.1	2 8.0		2 4.0	2 4.0				
Acute poliomyelitis (045)												
Viral encephalitis (049.5-049.9, 062-064)												
Meningitis (054)												
Viral hepatitis (070)							1 2.0	1 2.0				
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				2 7.1	1 4.0	1	2 4.0	2 4.0		1 4.6	1 4.8	
Malignant neoplasms (140-208)	23 224.7	22 219.5	1	63 222.7	56 224.4	7	82 163.3	79 159.1	3	31 143.4	31 147.8	
Lip, oral cavity & pharynx (140-149)				1 3.5	1 4.0		5 10.0	5 10.1				
Digestive organs & peritoneum (150-159)	4 39.1	4 39.9		18 63.6	15 60.1	3	17 33.9	16 32.2	1	7 32.4	7 33.4	
Respiratory & intrathoracic organs (160-165)	5 48.9	5 49.9		17 60.1	17 68.1		25 49.8	24 48.3	1	10 46.3	10 47.1	
Breast (174-175)	3 29.3	3 29.9		4 14.1	4 16.0		2 4.0	2 4.0		2 9.3	2 9.5	
Female genital organs (179-184)	2 19.5	2 20.0		8 28.3	6 24.0	2	5 10.0	5 10.1		3 13.9	3 14.3	
Male genital organs (185-187)	3 29.3	3 29.9		1 3.5		1	4 8.0	4 8.1		1 4.6	1 4.8	
Urinary organs (188-189)	1 9.8	1 10.0		1 3.5	1 4.0		3 6.0	3 6.0				
Other & unsp. sites (170-173, 190-199)	2 19.5	2 20.0		6 21.2	5 20.0	1	9 17.9	9 18.1		6 27.8	6 28.6	
Leukemia (204-208)	2 19.5	1 10.0	1	3 10.6	3 12.0		5 10.0	5 10.1		1 4.6	1 4.8	
Other lymphatic & hematopoietic tissue (200-203)	1 9.8	1 10.0		4 14.1	4 16.0		7 13.9	6 12.1	1	1 4.6	1 4.8	
Benign neoplasms, carcinomas in situ & neoplasms of uncertain behavior & unsp. nature (210-239)							1 2.0	1 2.0				
Diabetes mellitus (250)	3 29.3	2 20.0	1	7 24.7	3 12.0	4	6 12.0	6 12.1				
Nutritional deficiencies (260-269)				1 3.5		1	1 2.0	1 2.0				
Anemias (280-285)												
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	32 312.7	31 309.3	1	129 456.1	120 480.8	9	148 294.6	146 294.1	2	59 272.9	54 257.5	5
Rheumatic fever & rheumatic heart disease (390-398)							1 2.0	1 2.0				
Hypertensive heart disease (402)				1 3.5	1 4.0		2 4.0	2 4.0		1 4.6	1 4.8	
Hypertensive heart & renal disease (404)							1 2.0	1 2.0				
Ischemic heart disease (410-414)	29 283.4	28 279.4	1	109 385.4	101 404.7	8	100 199.2	100 201.4		51 235.9	46 219.4	5
All other forms of heart disease (415-429)	3 29.3	3 29.9		19 67.2	18 72.1	1	44 87.6	42 84.6	2	7 32.4	7 33.4	
Hypertension, with or without renal disease (401, 403)				1 3.5	1 4.0							
Cerebrovascular disease (430-438)	4 39.1	3 29.9	1	44 155.6	35 140.2	9	41 81.7	40 80.6	1	14 64.8	12 57.2	2
Atherosclerosis (440)				6 21.2	5 20.0	1	8 15.9	8 16.1		4 18.5	4 19.1	
Other diseases of arteries, arterioles & capillaries (441-448)	1 9.8	1 10.0		2 7.1	2 8.0		3 6.0	3 6.0				
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	1 9.8	1 10.0		4 14.1	4 16.0		11 21.9	11 22.2		1 4.6	1 4.8	
Influenza (487)							1 2.0	1 2.0				
Bronchitis, chronic & unsp. (490-491)							1 2.0	1 2.0				
Emphysema (492)	1 9.8	1 10.0		2 7.1	2 8.0		4 8.0	4 8.1		1 4.6	1 4.8	
Asthma (493)										2 9.3	2 9.5	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 29.3	3 29.9		3 10.6	3 12.0		10 19.9	10 20.1		3 13.9	3 14.3	
Ulcer of stomach & duodenum (531-533)	1 9.8	1 10.0		1 3.5	1 4.0		4 8.0	4 8.1				
Appendicitis (540-543)				1 3.5		1						
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	1 9.8	1 10.0		4 14.1	3 12.0	1	2 4.0	2 4.0		1 4.6	1 4.8	
Cholelithiasis & other disorders of gallbladder (574-575)				2 7.1	2 8.0		3 6.0	3 6.0				
Acute glomerulonephritis & nephrotic syndrome (580-581)							2 4.0	2 4.0				
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)							1 2.0	1 2.0				
Infections of kidney (590)				2 7.1	1 4.0	1	4 8.0	4 8.1		2 9.3	2 9.5	
Hyperplasia of prostate (600)				3 10.6	3 12.0		1 2.0	1 2.0				
Complications of pregnancy, childbirth & the puerperium (630-676)							1 15.7	1 15.8				
Congenital anomalies (740-759)				3 10.6	3 12.0		3 6.0	3 6.0				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (760-769)							1 2.0	1 2.0				
Other conditions originating in the perinatal period (760-766, 770-779)	2 19.5	2 20.0		4 14.1	2 8.0	2	3 6.0	3 6.0		1 4.6	1 4.8	
Symptoms, signs & ill-defined conditions (780-799)				4 14.1	3 12.0	1	3 6.0	3 6.0		3 13.9	3 14.3	
All other diseases	9 87.9	9 89.8		14 49.5	13 52.1	2	23 45.8	23 46.3		6 27.8	6 28.6	
Motor vehicle accidents (E810-E825)	3 29.3	3 29.9		10 35.4	8 32.1	2	2 4.0	2 4.0		11 50.9	11 52.5	
All other accidents & adverse effects (E800-E807, E826-E849)	1 9.8	1 10.0		9 31.8	6 24.0	3	10 19.9	10 20.1		6 27.8	6 28.6	
Suicide (E950-E959)	1 9.8	1 10.0		5 17.7	5 20.0		9 17.9	9 18.1		1 4.6	1 4.8	
Homicide & legal intervention (E960-E978)	1 9.8		1	3 10.6	1 4.0	2	1 2.0	1 2.0				
All other external causes (E980-E990)							2 4.0	2 4.0		1 4.6	1 4.8	

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TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	CHESTER			CLAIBORNE			CLAY			COCKE		
	ALL RACES 12,727 No. Rate	WHITE 11,330 No. Rate	OTHER RACES 1,397 No. Rate	ALL RACES 24,586 No. Rate	WHITE 24,202 No. Rate	OTHER RACES 384 No. Rate	ALL RACES 7,676 No. Rate	WHITE 7,545 No. Rate	OTHER RACES 131 No. Rate	ALL RACES 28,792 No. Rate	WHITE 28,020 No. Rate	OTHER RACES 772 No. Rate
LIVE BIRTHS	162 12.7	133 11.7	29 20.8	360 14.6	357 14.8	3 7.6	82 10.7	81 10.7	1 7.6	372 12.9	362 12.9	10 13.0
ILLEGITIMATE BIRTHS	26 16.0	10 7.5	16 55.2	27 7.5	26 7.3	1	14 17.1	14 17.3		75 20.2	66 18.8	7 70.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	12 7.4	5 3.8	7 24.1	21 5.8	21 5.9		8 9.8	8 9.9		21 5.6	17 4.7	4 40.0
INFANT DEATHS (Under one year of age)	4 24.7		4 137.9	2 5.6	2 5.6		1 12.2	1 12.3		5 13.4	4 11.0	1 100.0
Neonatal Deaths (Under 28 days of age)	3 18.5		3 103.4	1 2.8	1 2.8					3 8.1	2 5.5	1 100.0
Under 7 days of age	3			1	1					2	1	1
7-27 days of age										1	1	
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 6.2	1 7.5		2 5.6	2 5.6		1 12.2	1 12.3		6 16.1	6 16.6	
INDUCED TERMINATIONS OF PREGNANCY	31 191.4	23 172.9	8 275.9	31 86.1	31 86.8		5 61.0	5 61.7		93 250.0	81 223.8	9 900.0
TOTAL DEATHS	110 8.6	91 8.0	19 13.6	242 9.8	241 10.0		83 10.8	82 10.9	1 7.6	295 10.2	288 10.3	7 9.1
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							1 13.0	1 13.3		1 3.5	1 3.6	
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)										1 3.5	1 3.6	
Septicemia (038)										1 3.5	1 3.6	
Acute poliomyelitis (045)				1 4.1	1 4.1							
Viral encephalitis (049.8-049.9, 052-054)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 13.0	1 13.3		1 3.5	1 3.6	
Malignant neoplasms (140-208)	20 157.1	19 167.7	1	51 207.4	51 210.7		18 234.5	17 225.3	1	54 187.6	53 189.2	1
Lip, oral cavity & pharynx (140-149)										3 10.4	3 10.7	
Digestive organs & peritoneum (150-159)	2 15.7	2 17.7		21 85.4	21 86.8		2 26.1	2 26.5		14 48.6	14 50.0	
Respiratory & intrathoracic organs (160-165)	7 55.0	6 53.0	1	13 52.9	13 53.7		10 130.3	10 132.5		15 52.1	15 53.5	
Breast (174-175)	2 15.7	2 17.7		3 12.2	3 12.4		1 13.0	1 13.3		3 10.4	3 10.7	
Female genital organs (178-184)				2 8.1	2 8.3					6 20.6	6 21.4	
Male genital organs (185-187)	1 7.9	1 8.8		4 16.3	4 16.5		1 13.0	1 13.3		5 17.4	4 14.3	1
Urinary organs (188-189)	1 7.9	1 8.8		2 8.1	2 8.3							
Other & unsp. sites (170-173, 190-199)	7 55.0	7 61.8		4 16.3	4 16.5		4 52.1	3 39.8	1	2 6.9	2 7.1	
Leukemia (204-208)				2 8.1	2 8.3					1 3.5	1 3.6	
Other lymphatic & hematopoietic tissue (200-203)										5 17.4	5 17.8	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 7.9	1 8.8										
Diabetes mellitus (250)	4 31.4	1 8.8	3				1 13.0	1 13.3		2 6.9	1 3.6	1
Nutritional deficiencies (260-269)												
Anemias (280-285)										1 3.5	1 3.6	
Meningitis (320-322)	1 7.9		1							2 6.9	2 7.1	
Diseases of heart (390-398, 402, 404-429)	44 345.7	39 344.2	5	96 390.3	95 392.5		31 403.9	31 410.9		119 413.3	117 417.6	2
Rheumatic fever & rheumatic heart disease (390-398)				2 8.1	2 8.3							
Hypertensive heart disease (402)				5 20.3	5 20.7		1 13.0	1 13.3		2 6.9	2 7.1	
Hypertensive heart & renal disease (404)	1 7.9	1 8.8										
Ischemic heart disease (410-414)	38 296.6	34 300.1	4	77 313.1	77 318.2		30 390.8	30 397.6		106 364.7	103 367.6	2
All other forms of heart disease (415-429)	5 39.3	4 35.3	1	12 48.8	11 45.5					12 41.7	12 42.8	
Hypertension, with or without renal disease (401, 403)	2 15.7	1 8.8	1				1 13.0	1 13.3		1 3.5	1 3.6	
Cerebrovascular disease (430-438)	20 157.1	16 141.2	4	17 69.1	17 70.2		4 52.1	4 53.0		24 83.4	23 82.1	1
Atherosclerosis (440)				5 20.3	5 20.7		5 65.1	5 66.3				
Other diseases of arteries, arterioles & capillaries (441-448)							1 13.0	1 13.3		3 10.4	3 10.7	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	1 7.9	1 8.8		24 97.6	24 99.2		1 13.0	1 13.3		7 24.3	7 25.0	
Influenza (487)				1 4.1	1 4.1					1 3.5	1 3.6	
Bronchitis, chronic & unsp. (490-491)				1 4.1	1 4.1							
Emphysema (492)				4 16.3	4 16.5					2 6.9	2 7.1	
Asthma (493)										1 3.5	1 3.6	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 23.6	3 26.5		6 24.4	6 24.8					9 31.3	9 32.1	
Ulcer of stomach & duodenum (531-533)				1 4.1	1 4.1							
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							1 13.0	1 13.3				
Chronic liver disease & cirrhosis (571)							2 26.1	2 26.5		2 6.9	2 7.1	
Cholelithiasis & other disorders of gallbladder (574-575)				1 4.1	1 4.1							
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 7.9		1				1 13.0	1 13.3		1 3.5	1 3.6	
Infections of kidney (590)				1 4.1	1 4.1							
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)				1 4.1	1 4.1					3 10.4	3 10.7	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (760-769)												
Other conditions originating in the perinatal period (760-766, 770-779)	3 23.6		3	1 4.1	1 4.1					1 3.5		1
Symptoms, signs & ill-defined conditions (780-799)				3 12.1	3 12.4		1 13.0	1 13.3		2 6.9	2 7.1	
All other diseases	2 15.7	2 17.7		4 16.3	4 16.5		2 26.1	2 26.5		18 62.5	17 60.7	1
Motor vehicle accidents (E810-E825)	1 7.9	1 8.8		11 44.7	11 45.5		7 91.2	7 92.8		17 59.0	17 60.7	
All other accidents & adverse effects (E800-E807, E826-E849)	4 31.4	4 35.3		6 24.4	6 24.8		4 52.1	4 53.0		9 31.3	9 32.1	
Suicide (E850-E859)	2 15.7	2 17.7		4 16.3	4 16.5					1 3.5	1 3.6	
Homicide & legal intervention (E860-E878)	1 7.9	1 8.8		2 8.1	2 8.3		1 13.0	1 13.3		8 27.8	8 28.6	
All other external causes (E880-E899)				1 4.1	1 4.1					2 6.9	2 7.1	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	COFFEE			CROCKETT			CUMBERLAND			DAVIDSON		
	ALL RACES 38,311 No. Rate	WHITE 36,725 No. Rate	OTHER RACES 1,586 No. Rate	ALL RACES 14,941 No. Rate	WHITE 12,084 No. Rate	OTHER RACES 2,857 No. Rate	ALL RACES 28,576 No. Rate	WHITE 28,800 No. Rate	OTHER RACES 76 No. Rate	ALL RACES 477,811 No. Rate	WHITE 366,448 No. Rate	OTHER RACES 111,363 No. Rate
LIVE BIRTHS	543 14.2	510 13.9	33 20.8	185 12.4	126 10.4	59 20.7	386 13.5	385 13.5	1 13.2	7,339 15.4	5,134 14.0	2,205 19.8
ILLEGITIMATE BIRTHS	57 10.5	44 8.6	13 39.4	38 20.5	14 11.1	24 40.7	50 13.0	50 13.0		1,759 24.0	540 10.5	1,219 55.3
LOW-WEIGHT BIRTHS (Less than 2500 grams)	49 9.0	42 8.2	7 21.2	12 6.5	8 6.3	4 6.8	31 8.0	31 8.1		631 8.6	327 6.4	304 13.8
INFANT DEATHS (Under one year of age)	9 16.6	9 17.6		2 10.8	1 7.9	1 16.9	7 18.1	7 18.2		92 12.5	54 10.5	38 17.2
Neonatal Deaths (Under 28 days of age)	4 7.4	4 7.8		2 10.8	1 7.9	1 16.9	5 13.0	5 13.0		62 8.4	37 7.2	25 11.3
Under 7 days of age	4	4		1	1	1	4	4		53	32	21
7-27 days of age							1	1		9	5	4
MATERNAL DEATHS (ICD codes 630-676)										1 1.4		1 4.5
FETAL DEATHS	5 9.2	5 9.8		1 5.4	1 7.9		8 20.7	8 20.8		53 7.2	30 5.8	23 10.4
INDUCED TERMINATIONS OF PREGNANCY	115 211.8	105 205.9	9 272.7	29 158.8	20 158.7	9 152.5	64 165.8	64 166.2		3,047 415.2	2,039 397.2	992 448.9
TOTAL DEATHS	328 8.6	313 8.5	15 9.5	149 10.0	126 10.4	23 8.1	257 9.0	255 8.9	2 26.3	4,213 8.8	3,133 8.5	1,079 9.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	1 2.6	1 2.7					2 7.0	2 7.0		5 1.0	1 0.3	4 3.6
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)	1 2.6	1 2.7										
Septicemia (038)												
Acute poliomyelitis (045)										10 2.1	7 1.9	3 2.7
Viral encephalitis (049.9-049.9, 062-064)	1 2.6	1 2.7										
Measles (055)												
Viral hepatitis (070)	1 2.6		1									
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-138)										1 0.2	1 0.3	
Malignant neoplasms (140-208)	68 177.5	64 174.3	4	20 133.9	18 149.0	2	58 202.3	58 202.8		18 3.8	10 2.7	8 7.2
Lip, oral cavity & pharynx (140-149)	1 2.6	1 2.7					1 3.5	1 3.5		897 187.7	673 183.7	224 201.1
Digestive organs & peritoneum (150-159)	20 52.2	18 49.0	2	7 46.9	7 57.9		18 62.8	18 62.9		25 5.2	16 4.4	9 8.1
Respiratory & intrathoracic organs (160-169)	17 44.4	16 43.6	1	8 53.5	8 66.2		15 52.3	15 52.4		242 50.6	169 46.1	73 65.6
Breast (174-175)	3 7.9	3 8.2		2 13.4	1 8.3	1	3 10.5	3 10.5		252 52.7	197 53.9	55 49.4
Female genital organs (179-184)	5 13.1	5 13.5					3 10.5	3 10.5		67 14.0	47 12.8	20 18.0
Male genital organs (185-187)	4 10.4	3 8.2	1	1 6.7	1 8.3		3 10.5	3 10.5		56 11.7	40 10.9	16 14.4
Urinary organs (188-189)	3 7.8	3 8.2								51 10.7	37 10.1	14 12.6
Other & unsp. sites (170-173, 190-199)	7 18.3	7 19.1		1 6.7	1 8.3		2 7.0	2 7.0		40 8.4	30 8.2	10 9.0
Leukemia (204-206)	2 5.2	2 5.4		1 6.7		1	9 31.4	9 31.5		80 16.7	65 17.7	15 13.5
Other lymphatic & hematopoietic tissue (200-203)	6 15.7	6 16.3					4 13.9	4 14.0		34 7.1	28 7.6	6 5.4
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 2.6	1 2.7		1 6.7	1 8.3		3 10.5	3 10.5		50 10.5	44 12.0	6 5.4
Diabetes mellitus (250)	4 10.4	3 8.2	1				1 3.5	1 3.5		15 3.1	12 3.3	3 2.7
Nutritional deficiencies (260-269)	1 2.6	1 2.7					1 3.5	1 3.5		57 11.9	35 9.6	22 19.8
Anemias (280-285)	2 5.2	1 2.7	1	1 6.7	1 8.3		8 17.5	8 17.5		8 1.7	4 1.1	4 3.6
Meningitis (320-322)							1 3.5	1 3.5		7 1.5	4 1.1	3 2.7
Diseases of heart (390-398, 402, 404-429)	103 268.9	100 272.3	3	73 488.6	62 513.1	11	88 306.9	88 307.7		1 0.2	1 0.3	
Rheumatic fever & rheumatic heart disease (390-398)							4 13.9	4 14.0		1,549 324.2	1,188 324.2	361 324.2
Hypertensive heart disease (402)	3 7.8	2 5.4	1	1 6.7	1 8.3					17 3.6	12 3.3	5 4.5
Hypertensive heart & renal disease (404)	1 2.6	1 2.7					1 3.5	1 3.5		112 23.4	41 11.2	71 63.8
Ischemic heart disease (410-414)	86 224.5	85 231.4	1	60 401.6	50 413.8	10	72 251.1	72 251.7		2 0.4		2 1.8
All other forms of heart disease (415-429)	13 33.9	12 32.7	1	12 80.3	11 91.0	1	11 38.4	11 38.5		1,151 240.9	940 256.5	211 189.5
Hypertension, with or without renal disease (401, 403)	1 2.6	1 2.7		1 6.7	1 8.3					267 55.9	195 53.2	72 64.7
Cerebrovascular disease (430-438)	32 83.5	30 81.7	2	23 153.9	16 132.4	7	22 76.7	22 76.9		13 2.7	5 1.4	8 7.2
Atherosclerosis (440)	6 15.7	5 13.6	1	1 6.7	1 8.3		2 7.0	2 7.0		347 72.6	254 69.3	93 83.5
Other diseases of arteries, arterioles & capillaries (441-448)	2 5.2	2 5.4					2 7.0	2 7.0		71 14.9	55 15.0	16 14.4
Acute bronchitis & bronchiolitis (466)										38 8.0	31 8.5	7 6.3
Pneumonia (480-486)	11 28.7	11 30.0		1 6.7	1 8.3		1 3.5	1 3.5		80 16.7	65 17.7	15 13.5
Influenza (487)	2 5.2	2 5.4		2 13.4	2 16.6		13 45.3	12 42.0	1	14 2.9	10 2.7	4 3.6
Bronchitis, chronic & unsp. (490-491)							1 3.5	1 3.5		2 0.4		2 1.8
Emphysema (492)	2 5.2	2 5.4		1 6.7	1 8.3					3 0.6	3 0.8	
Asthma (493)										9 1.9	8 2.2	1 0.9
Other chronic obstructive pulmonary disease & allied conditions (494-496)	9 23.5	9 24.5		4 26.8	3 24.8	1	7 24.4	7 24.5		49 10.3	41 11.2	8 7.2
Ulcer of stomach & duodenum (531-533)	1 2.6	1 2.7					2 7.0	2 7.0		9 1.9	8 2.2	1 0.9
Appendicitis (540-543)										80 16.7	65 17.7	15 13.5
Hernia & intestinal obstruction (550-553, 560)	1 2.6	1 2.7		1 6.7	1 8.3		6 20.9	6 21.0		14 2.9	10 2.7	4 3.6
Chronic liver disease & cirrhosis (571)	2 5.2	2 5.4								54 11.3	46 12.6	8 7.2
Cholelithiasis & other disorders of gallbladder (574-575)	2 5.2	2 5.4								12 2.5	11 3.0	1 0.9
Acute glomerulonephritis & nephrotic syndrome (580-581)										2 0.4	1 0.3	1 0.9
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (594-596, 598-599)	5 13.1	5 13.6								6 1.3	2 0.5	4 3.6
Infections of kidney (590)										27 5.7	8 2.2	19 17.1
Hyperplasia of prostate (600)							3 10.5	3 10.5		9 1.9	7 1.9	2 1.8
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	3 7.8	3 8.2		2 13.4	1 8.3	1	3 10.5	3 10.5		1 1.4		1 4.5
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)										30 6.3	28 7.1	4 3.6
Other conditions originating in the perinatal period (760-766, 770-779)	2 5.2	2 5.4		1 6.7	1 8.3		1 3.5	1 3.5		14 2.9	10 2.7	4 3.6
Symptoms, signs & ill-defined conditions (780-799)	9 23.5	9 24.5		1 6.7	1 8.3		1 3.5	1 3.5		29 6.1	12 3.3	17 15.3
All other diseases	17 44.4	17 46.3		6 40.2	6 49.7		3 10.5	3 10.5		14 2.9	10 2.7	3 2.7
Motor vehicle accidents (E810-E825)	12 31.3	11 30.0	1	3 20.1	3 24.8		8 27.9	8 28.0		304 63.8	218 59.5	86 77.2
All other accidents & adverse effects (E800-E807, E826-E849)	14 36.5	13 35.4	1	6 40.2	6 49.7		6 20.9	6 21.0		113 23.6	97 26.5	16 14.4
Suicide (E950-E959)	5 13.1	5 13.6					3 10.5	3 10.5		121 25.3	84 22.9	37 33.2
Homicide & legal intervention (E960-E978)	3 7.8	3 8.2		2 13.4	1 8.3	1	2 7.0	2 7.0		63 13.0	57 15.6	5 4.5
All other external causes (E980-E999)	4 10.4	4 10.9								94 19.7	41 11.2	53 47.6
										16 3.3	10 2.7	6 5.4

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	DECATUR			DEKALB			DICKSON			DYER		
	ALL RACES 10,857 No. Rate	WHITE 10,350 No. Rate	OTHER RACES 507 No. Rate	ALL RACES 13,589 No. Rate	WHITE 13,282 No. Rate	OTHER RACES 307 No. Rate	ALL RACES 30,037 No. Rate	WHITE 28,307 No. Rate	OTHER RACES 1,730 No. Rate	ALL RACES 34,663 No. Rate	WHITE 30,482 No. Rate	OTHER RACES 4,181 No. Rate
LIVE BIRTHS	140 12.9	135 13.0	5 9.9	197 14.5	192 14.5	5 16.3	426 14.2	389 13.7	37 21.4	507 14.6	422 13.8	85 20.3
ILLEGITIMATE BIRTHS	8 5.7	6 4.4	2	14 7.1	13 6.8	1	44 10.3	30 7.7	14 37.8	95 18.7	39 9.3	56 65.9
LOW-WEIGHT BIRTHS (Less than 2500 grams)	10 7.1	8 5.9	2	12 6.1	11 5.7	1	18 4.3	17 4.4	1 2.7	50 9.9	29 6.3	21 24.7
INFANT DEATHS (Under one year of age)	6 42.9	6 44.4		3 15.2	3 15.6		4 9.4	4 10.3		10 19.7	9 21.3	1 11.8
Neonatal Deaths (Under 28 days of age)	3 21.4	3 22.2		2 10.2	2 10.4		2 4.7	2 5.1		5 9.9	5 11.8	
Under 7 days of age	3	3		2	2		2	2		4	4	
7-27 days of age										1	1	
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS				2 10.2	2 10.4		5 11.7	5 12.9		2 3.9	1 2.4	1 11.8
INDUCED TERMINATIONS OF PREGNANCY	15 107.1	14 103.7	1	16 81.2	16 83.3		79 285.4	68 174.8	11 297.3	61 120.3	47 111.4	14 164.7
TOTAL DEATHS	113 10.4	106 10.2	7 13.8	167 12.3	161 12.1	6 19.5	294 9.8	276 9.8	18 10.4	384 11.1	327 10.7	57 13.6
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				1 7.4	1 7.5					1 2.9	1 3.3	
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)							1 3.3	1 3.5		2 5.8	2 6.6	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)							1 3.3	1 3.5				
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 3.3	1 3.5				
Malignant neoplasms (140-208)	17 156.6	16 154.6	1	28 208.0	27 203.3	1	46 153.1	44 155.4	2	83 239.4	74 242.8	9
Lip, oral cavity & pharynx (140-149)	2 18.4	2 9.3		1 7.4	1 7.5		1 3.3					
Digestive organs & peritoneum (150-159)	4 36.8	3 29.0	1	3 22.1	3 22.6		8 26.6	8 28.3	1	28 80.8	25 82.0	3
Respiratory & intrathoracic organs (160-165)	1 9.2	1 9.7		10 73.6	9 67.8	1	12 40.0	11 38.9	1	26 75.0	25 82.0	1
Breast (174-175)				1 7.4	1 7.5					3 8.7	3 9.8	
Female genital organs (179-184)	4 36.8	4 38.6		1 7.4	1 7.5		5 16.6	5 17.7		3 8.7	2 6.6	1
Male genital organs (185-187)	1 9.2	1 9.7		1 7.4	1 7.5		5 16.6	5 17.7		2 5.8	2 6.6	
Urinary organs (188-189)				2 14.7	2 15.1		3 10.0	3 10.6		4 11.5	4 13.1	
Other & unsp. sites (170-173, 190-199)	3 27.6	3 29.0		5 36.8	5 37.6		8 26.6	8 28.3		7 20.2	3 9.8	4
Leukemia (204-208)	1 9.2	1 9.7		1 7.4	1 7.5		1 3.3	1 3.5		5 14.4	5 16.4	
Other lymphatic & hematopoietic tissue (200-203)	1 9.2	1 9.7		3 22.1	3 22.6		3 10.0	3 10.6		5 14.4	5 16.4	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 9.2	1 9.7		1 7.4	1 7.5		2 6.7	2 7.1		3 8.7	1 3.3	2
Diabetes mellitus (250)	3 27.6	3 29.0		2 14.7	2 15.1		6 20.0	5 17.7	1	5 14.4	5 16.4	
Nutritional deficiencies (260-269)										2 5.8	2 6.6	
Anemias (280-285)												
Meningitis (320-322)							1 3.3	1 3.5				
Diseases of heart (390-398, 402, 404-429)	43 396.1	39 376.8	4	66 493.7	63 474.3	3	123 409.5	120 423.9	3	124 357.7	110 380.9	14
Rheumatic fever & rheumatic heart disease (390-398)	1 9.2	1 9.7		1 7.4	1 7.5		1 3.3	1 3.5		1 2.9	1 3.3	
Hypertensive heart disease (402)				1 7.4	1 7.5		1 3.3	1 3.5		5 14.4	3 9.8	2
Hypertensive heart & renal disease (404)										1 2.9		1
Ischemic heart disease (410-414)	35 322.4	33 318.8	2	60 441.5	57 429.2	3	102 339.6	100 353.3	2	99 285.6	90 295.3	9
All other forms of heart disease (415-429)	7 64.5	5 48.3	2	5 36.8	5 37.6		19 63.3	18 63.6	1	18 51.9	16 52.5	2
Hypertension, with or without renal disease (401, 403)				1 7.4	1 7.5					1 2.9		1
Cerebrovascular disease (430-438)	9 82.9	9 87.0		18 132.5	17 128.0	1	41 136.5	37 130.7	4	51 147.1	44 144.3	7
Atherosclerosis (440)				2 14.7	2 15.1		5 16.6	5 17.7		1 2.9	1 3.3	
Other diseases of arteries, arterioles & capillaries (441-448)	3 27.6	3 29.0					3 10.0	3 10.6		5 14.4	3 9.8	2
Acute bronchitis & bronchiolitis (466)				1 7.4	1 7.5							
Pneumonia (480-486)	7 64.5	6 58.0	1	2 14.7	2 15.1		10 33.3	9 31.8	1	3 8.7	2 6.6	1
Influenza (487)				2 14.7	2 15.1							
Bronchitis, chronic & unsp. (490-491)				1 7.4	1 7.5					1 2.9	1 3.3	
Emphysema (492)				2 14.7	2 15.1		1 3.3	1 3.5		3 8.7	3 9.8	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	2 18.4	2 19.3		2 14.7	2 15.1		4 13.3	4 14.1		9 26.0	9 29.5	
Ulcer of stomach & duodenum (531-533)				1 7.4	1 7.5							
Appendicitis (540-543)										2 5.8	1 3.3	1
Hernia & intestinal obstruction (550-553, 560)	1 9.2	1 9.7					1 3.3	1 3.5				
Chronic liver disease & cirrhosis (571)	3 27.6	3 29.0		1 7.4	1 7.5		2 6.7	2 7.1		4 11.5	2 6.6	2
Cholelithiasis & other disorders of gallbladder (574-575)							1 3.3		1	1 2.9		1
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 9.2		1	1 7.4	1 7.5		4 13.3	2 7.1	2	1 2.9		1
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 9.2	1 9.7		1 7.4	1 7.5		2 6.7	2 7.1		4 11.5	3 9.8	1
Infections of kidney (590)				1 7.4	1 7.5							
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 9.2	1 9.7		2 14.7	2 15.1		1 3.3	1 3.5		3 8.7	2 6.6	1
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)	2 18.4	2 19.3		1 7.4	1 7.5		2 6.7	2 7.1		2 5.8	2 6.6	
Symptoms, signs & ill-defined conditions (780-799)	3 27.6	3 29.0		3 22.1	2 15.1	1	2 6.7	2 7.1		31 89.4	23 75.5	8
All other diseases	6 55.3	6 58.0		12 88.3	12 90.3		14 46.6	11 38.9	3	18 51.9	15 49.2	3
Motor vehicle accidents (E810-E825)	4 36.8	4 38.6		7 51.5	7 52.7		12 40.0	12 42.4		5 14.4	5 16.4	
All other accidents & adverse effects (E800-E807, E830-E849)	3 27.6	3 29.0		7 51.5	7 52.7		5 16.6	4 14.1	1	11 31.7	10 32.8	1
Suicide (E960-E969)	2 18.4	2 19.3					1 3.3	1 3.5		5 14.4	5 16.4	
Homicide & legal intervention (E970-E978)	1 9.2	1 9.7		1 7.4	1 7.5					2 5.8		2
All other external causes (E990-E999)							2 6.7	2 7.1				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	FAYETTE						FENTRESS			FRANKLIN			GIBSON											
	ALL RACES 25,305		WHITE 12,465		OTHER RACES 12,840		ALL RACES 14,826		WHITE 14,786		OTHER RACES 31		ALL RACES 31,983		WHITE 29,587		OTHER RACES 2,396		ALL RACES 49,467		WHITE 39,906		OTHER RACES 9,559	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	438	17.3	182	14.6	256	19.9	212	14.3	211	14.3	1	32.3	436	13.6	405	13.7	31	12.9	669	13.5	471	11.8	198	20.7
ILLEGITIMATE BIRTHS	168	38.4	15	8.2	153	59.8	24	11.3	24	11.4			50	11.5	38	9.4	12	38.7	153	22.9	36	7.6	117	59.1
LOW-WEIGHT BIRTHS (Less than 2500 grams)	32	7.3	7	3.8	25	9.8	14	6.6	14	6.6			24	5.5	22	5.4	2	6.5	56	8.4	38	8.1	18	9.1
INFANT DEATHS (Under one year of age)	8	11.4	1	5.5	4	15.6	2	9.4	2	9.5			2	4.6	2	4.9			9	13.5	5	10.6	4	20.2
Neonatal Deaths (Under 28 days of age)	2	4.6			2	7.8	1	4.7	1	4.7			2	4.6	2	4.9			7	10.5	4	8.5	3	15.2
Under 7 days of age	1				1		1		1				2		2				5		4		1	
7-27 days of age	1				1														2				2	
MATERNAL DEATHS (ICD codes 630-676)																								
FETAL DEATHS	7	16.0			7	27.3	3	14.3	3	14.3			3	6.9	2	4.9	1	32.3	10	14.9	5	10.6	5	25.3
INDUCED TERMINATIONS OF PREGNANCY	77	17.8	28	153.8	49	191.4	17	80.2	17	80.6			58	133.0	51	125.9	7	225.8	97	145.0	64	135.9	33	166.7
TOTAL DEATHS	224	8.9	103	8.3	121	9.4	134	9.0	134	9.1			299	9.3	277	9.4	22	9.2	602	12.2	493	12.4	109	11.4
CAUSE OF DEATH																								
Shigellosis & amebiasis (004, 006)																								
Certain other intestinal infections (007-009)																								
Tuberculosis, all forms (010-018)																								
Whooping cough (033)																								
Streptococcal sore throat, scarletina & erysipelas (034-035)																								
Meningococcal infection (036)																								
Septicemia (038)																								
Acute poliomyelitis (045)																								
Viral encephalitis (049.8-049.9, 062-064)																								
Measles (055)																								
Viral hepatitis (070)																								
Rocky Mtn. spotted fever (082.0)																								
Syphilis (090-097)																								
All other infectious & parasitic diseases (remainder of 001-139)	1	4.0	1	8.0									1	3.1	1	3.4			2	4.0	2	5.0		
Malignant neoplasms (140-208)	38	150.2	19	152.4	19	148.0	30	202.3	30	202.8			60	187.6	54	182.5	6		109	220.3	91	228.0	18	188.3
Lip, oral cavity & pharynx (140-149)													3	9.4	3	10.1			3	6.1	3	7.5		
Digestive organs & peritoneum (150-159)	9	35.6	5	40.1	4	31.2	7	47.2	7	47.3			15	46.9	14	47.3	1		27	54.6	22	55.1	5	52.3
Respiratory & intrathoracic organs (160-165)	10	39.5	7	56.2	3	23.4	9	60.7	9	60.8			15	46.9	14	47.3	1		23	46.5	22	55.1	1	10.5
Breast (174-175)	2	7.9	1	8.0	1	7.8	3	20.2	3	20.3			6	18.8	5	16.9	1		12	24.3	9	22.6	3	31.4
Female genital organs (179-184)	3	11.9			3	23.4	1	6.7	1	6.8			1	3.1			1		8	16.2	6	15.0	2	20.9
Male genital organs (185-187)	4	15.8	2	16.0	2	15.6	4	27.0	4	27.0			5	15.6	4	13.5	1		6	12.1	3	7.5	3	31.4
Urinary organs (188-189)													2	6.3	2	6.8			4	8.1	3	7.5	1	10.5
Other & unsp. sites (170-173, 190-199)	8	31.6	4	32.1	4	31.2	2	13.5	2	13.5			5	15.6	4	13.5	1		12	24.3	9	22.6	3	31.4
Leukemia (204-206)	2	7.9			2	15.6	2	13.5	2	13.5			4	12.5	4	13.5			8	16.2	8	20.0		
Other lymphatic & hematopoietic tissue (200-203)													4	12.5	4	13.5			6	12.1	6	15.0		
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1	4.0			1	7.8	1	6.7	1	6.8									1	2.0			1	10.5
Diabetes mellitus (250)	6	23.7	2	16.0	4	31.2	2	13.5	2	13.5			7	21.9	7	23.7			15	30.3	9	22.6	6	62.8
Nutritional deficiencies (260-269)																								
Anemias (280-285)	1	4.0			1	7.8							3	9.4	3	10.1			1	2.0			1	10.5
Meningitis (320-322)																								
Diseases of heart (390-396, 402, 404-429)	74	292.4	36	288.8	38	296.0	52	350.7	52	351.5			121	378.3	111	375.2	10		218	449.7	187	468.6	31	324.3
Rheumatic fever & rheumatic heart disease (390-396)													1	3.1	1	3.4			1	2.0	1	2.5		
Hypertensive heart disease (402)	3	11.9			3	23.4	1	6.7	1	6.8			6	18.8	6	20.3			3	6.1	2	5.0	1	10.5
Hypertensive heart & renal disease (404)																			1	2.0				
Ischemic heart disease (410-414)	57	225.3	32	256.7	25	194.7	48	323.8	48	324.4			92	287.7	84	283.9	8		181	365.9	157	393.4	24	251.1
All other forms of heart disease (415-429)	14	55.3	4	32.1	10	77.9	3	20.2	3	20.3			22	68.8	20	67.6	2		32	64.7	27	67.7	5	52.3
Hypertension, with or without renal disease (401, 403)	1	4.0			1	7.8													2	4.0	2	5.0		
Cerebrovascular disease (430-438)	21	83.0	10	80.2	11	85.7	8	54.0	8	54.1			24	75.0	24	81.1			97	196.1	79	198.0	18	188.3
Atherosclerosis (440)	1	4.0	1	8.0			1	6.7	1	6.8			3	9.4	3	10.1			17	34.4	15	37.6	2	20.9
Other diseases of arteries, arterioles & capillaries (441-448)	3	11.9	2	16.0	1	7.8	1	6.7	1	6.8			3	9.4	3	10.1			6	12.1	4	10.0	2	20.9
Acute bronchitis & bronchiolitis (466)																								
Pneumonia (480-486)	4	15.8	2	16.0	2	15.6	9	60.7	9	60.8			6	18.8	6	20.3			1	2.0	1	2.5		
Influenza (487)																			16	32.3	12	30.1	4	41.8
Bronchitis, chronic & unsp. (490-491)																			1	2.0	1	2.5		
Emphysema (492)	1	4.0	1	8.0			3	20.2	3	20.3			2	6.3	2	6.8			3	6.1	3	7.5		
Asthma (493)	1	4.0			1	7.8													1	2.0	1	2.5		
Other chronic obstructive pulmonary disease & allied conditions (494-496)	9	35.6	6	48.1	3	23.4	1	6.7	1	6.8			3	9.4	2	6.8	1		10	20.2	9	22.6	1	10.5
Ulcer of stomach & duodenum (531-533)	1	4.0	1	8.0															3	6.1	3	7.5		
Appendicitis (540-543)																			2	4.0			2	20.9
Hernia & intestinal obstruction (550-553, 560)																								
Chronic liver disease & cirrhosis (571)	1	4.0																	3	6.1	3	7.5		
Cholelithiasis & other disorders of gallbladder (574-575)					1	7.8	1	6.7	1	6.8			2	6.3	2	6.8			3	6.1	2	5.0	1	10.5
Acute glomerulonephritis & nephrotic syndrome (580-581)																			1	2.0	1	2.5		
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1	4.0	1	8.0			1	6.7	1	5.8			11	34.4	9	30.4	2		1	2.0			1	10.5
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)																								
Infections of kidney (590)	3	11.9	1	8.0	2	15.6							4	12.5	3	10.1	1		4	8.1	4	10.0		
Hyperplasia of prostate (600)																			2	4.0	1	2.5	1	10.5
Complications of pregnancy, childbirth & the puerperium (630-676)																								
Congenital anomalies (740-759)	1	4.0			1	7.8	2	13.5	2	13.5			4	12.5	4	13.5			4	8.1	2	5.0	2	20.9
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)																								
Other conditions originating in the perinatal period (760-766, 770-779)	1	4.0			1	7.8			1	6.8									2	4.0	1	2.5	1	10.5
Symptoms, signs & ill-defined conditions (780-799)	14	55.3	4	32.1	10	77.9													4	8.1	2	5.0	2	20.9
All other diseases	8	31.6	3	24.1	5	38.9	9	60.7	9	60.8			11	34.4	11	37.2			3	6.1	2	5.0	1	10.5
Motor vehicle accidents (E810-E835)	13	51.4	7	58.2	6	46.7	2	13.5	2	13.5			12	37.5	11	37.2	1		10	20.2	7	17.5	3	31.4
All other accidents & adverse effects (E800-E807, E826-E849)	10	39.5	2	16.0	8	62.3	5	33.7	5	33.8			15	46.9										

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	GILES			GRAINGER			GREENE			GRUNY		
	ALL RACES 24,625 No. Rate	WHITE 21,106 No. Rate	OTHER RACES 3,519 No. Rate	ALL RACES 16,751 No. Rate	WHITE 16,595 No. Rate	OTHER RACES 156 No. Rate	ALL RACES 54,422 No. Rate	WHITE 53,010 No. Rate	OTHER RACES 1,412 No. Rate	ALL RACES 13,787 No. Rate	WHITE 13,772 No. Rate	OTHER RACES 15 No. Rate
LIVE BIRTHS	370 15.0	326 15.4	44 12.5	216 12.9	214 12.9	2 12.8	700 12.9	667 12.6	33 23.4	220 16.0	219 15.9	1 66.7
ILLEGITIMATE BIRTHS	55 14.9	27 8.3	28 63.6	19 8.8	17 7.9	2	93 13.3	74 11.1	19 57.6	31 14.1	31 14.2	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	34 9.2	25 7.7	9 20.5	17 7.9	17 7.9		48 6.9	46 6.9	2 6.1	20 9.1	20 9.1	
INFANT DEATHS (Under one year of age)	3 8.1	3 9.2		1 4.6	1 4.7		13 18.6	12 18.0	1 30.3			
Neonatal Deaths (Under 28 days of age)	3 8.1	3 9.2		1 4.6	1 4.7		10 14.3	10 15.0				
Under 7 days of age	3	3		1	1		8	8				
7-27 days of age							2	2				
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS							4 5.7	3 4.5	1 30.3	1 4.5	1 4.6	
INDUCED TERMINATIONS OF PREGNANCY	53 143.2	36 110.4	17 386.4	38 175.9	36 168.2	2	119 170.0	112 167.9	6 181.8	17 77.3	17 77.6	
TOTAL DEATHS	250 10.2	205 9.7	45 12.8	105 6.3	105 6.3		481 8.8	469 8.8	12 8.5	121 8.8	121 8.8	
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							1 1.8	1 1.9				
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-036)												
Meningococcal infection (036)												
Septicemia (038)												
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (083.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 1.8	1 1.9		1 7.3	1 7.3	
Malignant neoplasms (140-208)	32 129.9	25 118.4	7	21 125.4	21 126.5		58 106.6	54 101.9	4	24 174.1	24 174.3	
Lip, oral cavity & pharynx (140-143)	2 8.1	1 4.7	1									
Digestive organs & peritoneum (150-159)	10 40.6	6 28.4	4	8 47.8	8 48.2		16 29.4	15 28.3	1	4 29.0	4 29.0	
Respiratory & intrathoracic organs (160-169)	11 44.7	10 47.4	1	7 41.8	7 42.2		18 33.1	17 32.1	1	11 79.8	11 79.9	
Breast (174-175)	2 8.1	2 9.5					6 11.0	6 11.3				
Female genital organs (179-184)	2 8.1	2 9.5					4 7.3	4 7.5				
Male genital organs (185-187)	2 8.1	1 4.7	1	1 6.0	1 6.0		1 1.8	1 1.9		2 14.5	2 14.5	
Urinary organs (188-189)							3 5.5	3 5.7				
Other & unsp. sites (170-173, 190-199)	1 4.1	1 4.7		2 11.9	2 12.1		5 9.2	4 7.5	1	2 14.5	2 14.5	
Leukemia (204-208)	1 4.1	1 4.7		1 6.0	1 6.0		2 3.7	1 1.9	1	2 14.5	2 14.5	
Other lymphatic & hematopoietic tissue (200-203)	1 4.1	1 4.7		2 11.9	2 12.1		3 5.5	3 5.7		3 21.8	3 21.8	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 4.1	1 4.7										
Diabetes mellitus (250)	2 8.1	2 9.5		2 11.9	2 12.1		9 16.5	9 17.0		1 7.3	1 7.3	
Nutritional deficiencies (260-269)	1 4.1	1 4.7								1 7.3	1 7.3	
Anemias (280-285)	2 8.1	1 4.7	1				2 3.7	2 3.8				
Meningitis (320-322)							1 1.8	1 1.9				
Diseases of heart (390-398, 402, 404-429)	96 398.0	85 402.7	13	29 173.1	29 174.8		224 411.6	220 415.0	4	46 333.6	46 334.0	
Rheumatic fever & rheumatic heart disease (390-398)							1 1.8	1 1.9				
Hypertensive heart disease (402)	1 4.1	1 4.7		1 6.0	1 6.0		10 18.4	10 18.9		3 21.8	3 21.8	
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	77 312.7	68 322.2	9	20 119.4	20 120.5		154 283.0	152 286.7	2	32 232.1	32 232.4	
All other forms of heart disease (415-429)	18 73.1	14 66.3	4	8 47.8	8 48.2		59 108.4	57 107.5	2	11 79.8	11 79.9	
Hypertension, with or without renal disease (401, 403)	1 4.1	1 4.7										
Cerebrovascular disease (430-438)	31 125.9	23 109.0	8	16 95.5	16 96.4		42 77.2	42 79.2		6 43.5	6 43.6	
Atherosclerosis (440)	3 12.2	3 14.2					4 7.3	4 7.5				
Other diseases of arteries, arterioles & capillaries (441-448)	1 4.1	1 4.7					6 11.0	6 11.3		1 7.3	1 7.3	
Acute bronchitis & bronchiolitis (486)												
Pneumonia (480-486)	11 44.7	10 47.4	1	4 23.9	4 24.1		22 40.4	21 39.6	1	2 14.5	2 14.5	
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)												
Emphysema (492)	1 4.1		1				2 3.7	2 3.8		1 7.3	1 7.3	
Asthma (493)							3 5.5	3 5.7		3 21.8	3 21.8	
Other chronic obstructive pulmonary disease & allied conditions (494-498)												
Ulcer of stomach & duodenum (531-533)	3 12.2	3 14.2		5 29.8	5 30.1		7 12.9	7 13.2		3 21.8	3 21.8	
Appendicitis (540-543)				1 6.0	1 6.0		1 1.8	1 1.9				
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	4 16.2	4 19.0					10 18.4	10 18.9		2 14.5	2 14.5	
Cholelithiasis & other disorders of gallbladder (574-575)							1 1.8	1 1.9				
Acute glomerulonephritis & nephrotic syndrome (580-581)	1 4.1	1 4.7										
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 4.1		1									
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	3 12.2	1 4.7	2				4 7.3	4 7.5		2 14.5	2 14.5	
Infections of kidney (590)												
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	3 12.2	3 14.2		2 11.9	2 12.1		5 9.2	5 9.4				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)				1 6.0	1 6.0		5 9.2	5 9.4				
Symptoms, signs & ill-defined conditions (780-799)	2 8.1	1 4.7	1	7 41.8	7 42.2		4 7.3	3 5.7	1	2 14.5	2 14.5	
All other diseases	22 89.3	18 85.3	4	7 41.8	7 42.2		32 58.8	31 58.5	1	13 94.3	13 94.4	
Motor vehicle accidents (E810-E825)	6 24.4	5 23.7	1	5 29.8	5 30.1		11 20.2	11 20.8		3 21.8	3 21.8	
All other accidents & adverse effects (E830-E897, E900-E949)	12 48.7	8 37.9	4	4 23.9	4 24.1		12 22.0	12 22.6		7 50.8	7 50.8	
Suicide (E950-E959)	5 20.3	5 23.7					5 9.2	5 9.4		1 7.3	1 7.3	
Homicide & legal intervention (E960-E976)	2 8.1	1 4.7	1	1 6.0	1 6.0		4 7.3	4 7.5		1 7.3	1 7.3	
All other external causes (E980-E999)	2 8.1	2 9.5										

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TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	HAMBLETON			HAMILTON			HANDCOCK			HARDENMAN		
	ALL RACES 49,300 No. Rate	WHITE 46,747 No. Rate	OTHER RACES 2,553 No. Rate	ALL RACES 287,740 No. Rate	WHITE 229,976 No. Rate	OTHER RACES 57,764 No. Rate	ALL RACES 6,887 No. Rate	WHITE 6,833 No. Rate	OTHER RACES 54 No. Rate	ALL RACES 23,873 No. Rate	WHITE 15,089 No. Rate	OTHER RACES 8,804 No. Rate
LIVE BIRTHS	676 13.7	640 13.7	36 14.1	4,446 15.5	3,295 14.3	1,150 19.9	93 13.5	93 13.6		370 15.5	186 12.3	184 30.9
ILLEGITIMATE BIRTHS	101 14.9	84 13.1	17 47.3	1,001 22.5	301 9.1	700 60.9	13 14.0	13 14.0		133 35.9	17 9.1	116 63.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	43 6.4	40 6.2	3 8.3	336 7.6	188 5.7	148 12.9	1 1.1	1 1.1		32 8.6	10 5.4	22 12.0
INFANT DEATHS (Under one year of age)	10 14.8	10 15.6		47 10.6	32 9.7	15 13.0	1 10.8	1 10.8		3 8.1		3 16.3
Neonatal Deaths (Under 28 days of age)	7 10.4	7 10.9		31 7.0	23 7.0	8 7.0				2 5.4		2 10.9
Under 7 days of age	7	7		29	21	8				1		1
7-27 days of age				2	2					1		1
MATERNAL DEATHS (ICD codes 630-676)	1 14.8	1 15.6		1 2.2	1 3.0					1 27.0		1 54.3
FETAL DEATHS	4 5.9	3 4.7	1 27.8	42 9.4	24 7.3	18 15.7	2 21.5	2 21.5		1 2.7		1 5.4
INDUCED TERMINATIONS OF PREGNANCY	182 269.2	180 250.0	21 583.3	1,114 250.6	754 228.8	355 308.7	9 96.8	9 96.8		46 129.7	34 182.8	14 78.1
TOTAL DEATHS	368 7.5	355 7.6	13 5.1	2,717 9.4	2,138 9.3	579 10.0	69 10.0	69 10.1		237 9.9	180 10.6	77 8.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	1 2.0	1 2.1		4 1.4	3 1.3	1 1.7						
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)				1 0.3	1 0.4							
Septicemia (038)	1 2.0	1 2.1		12 4.2	7 3.0	5 8.7				1 4.2	1 6.6	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 049.0-049.7)												
Measles (055)												
Viral hepatitis (070)				3 1.0	3 1.3							
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)				1 0.3		1 1.7						
All other infectious & parasitic diseases (remainder of 001-139)	1 2.0		1	2 0.7	1 0.4	1 1.7						
Malignant neoplasms (140-208)	74 150.1	71 151.9	3	555 192.9	435 189.2	120 207.7	14 203.3	14 204.9		41 171.7	27 179.2	14 159.0
Lip, oral cavity & pharynx (140-149)				8 2.8	6 2.6	2 3.5	1 14.5	1 14.6		1 4.2	1 6.6	
Digestive organs & peritoneum (150-159)	16 32.5	15 32.1	1	145 50.4	108 47.0	37 64.1	1 14.5	1 14.6		11 46.1	6 39.8	5 56.8
Respiratory & intrathoracic organs (160-169)	24 48.7	24 51.3		166 57.7	130 56.5	36 62.3	7 101.6	7 102.4		11 46.1	9 59.7	2 22.7
Breast (174-175)	4 8.1	4 8.6		34 11.8	26 11.3	8 13.8	1 14.5	1 14.6		4 16.8	2 13.3	2 22.7
Female genital organs (179-184)	4 8.1	4 8.6		32 11.1	21 9.1	11 19.0	1 14.5	1 14.6		5 20.9	3 19.9	2 22.7
Male genital organs (185-187)	4 8.1	4 8.6		30 10.4	25 10.9	5 8.7				1 4.2	1 6.6	
Urinary organs (188-189)	2 4.1	2 4.3		29 10.1	26 11.3	3 5.2				1 4.2	1 6.6	
Other & unsp. sites (170-173, 190-199)	11 22.3	9 19.3	2	50 17.4	42 18.3	8 13.8	1 14.5	1 14.6		1 4.2	1 6.6	
Leukemia (204-208)	3 6.1	3 6.4		24 8.3	22 9.6	2 3.5	1 14.5	1 14.6		1 4.2	1 6.6	1 11.4
Other lymphatic & hematopoietic tissue (200-203)	6 12.2	6 12.8		37 12.9	29 12.6	8 13.8	1 14.5	1 14.6		5 20.9	3 19.9	2 22.7
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				7 2.4	7 3.0							
Diabetes mellitus (250)	7 14.2	7 15.0		37 12.9	22 9.6	15 26.0	2 29.0	2 29.3		4 16.8	1 6.6	3 34.1
Nutritional deficiencies (260-269)				8 2.8	6 2.6	2 3.5	1 14.5	1 14.6				
Anemias (280-285)	1 2.0		1	6 2.1	5 2.2	1 1.7	1 14.5	1 14.6				
Meningitis (320-322)				1 0.3	1 0.4							
Diseases of heart (390-398, 402, 404-429)	137 277.9	132 282.4	5	1,062 369.1	844 367.0	218 377.4	26 377.5	26 380.5		78 326.7	57 378.3	21 238.5
Rheumatic fever & rheumatic heart disease (390-398)				5 1.7	5 2.2					2 8.4	2 13.3	
Hypertensive heart disease (402)				22 7.6	15 6.5	7 12.1						
Hypertensive heart & renal disease (404)				7 2.4	6 2.6	1 1.7	1 14.5	1 14.6				
Ischemic heart disease (410-414)	128 259.6	123 263.1	5	885 307.6	713 310.0	172 297.8	21 304.9	21 307.3		68 284.8	48 318.5	20 227.2
All other forms of heart disease (415-429)	9 18.3	9 19.3		143 49.7	105 45.7	38 65.8	4 58.1	4 58.5		8 33.5	7 46.5	1 11.4
Hypertension, with or without renal disease (401, 403)				5 1.7	3 1.3	2 3.5				1 4.2		1 11.4
Cerebrovascular disease (430-438)	47 95.3	46 98.4	1	267 92.8	222 96.5	45 77.9	3 43.6	3 43.9		41 171.7	30 199.1	11 124.9
Atherosclerosis (440)	2 4.1	2 4.3		30 10.4	29 12.6	1 1.7	2 29.0	2 29.3		5 20.9	5 33.2	
Other diseases of arteries, arterioles & capillaries (441-448)	3 6.1	2 4.3	1	22 7.6	18 7.8	4 6.9	1 14.5	1 14.6		2 8.4	2 13.3	
Acute bronchitis & bronchiolitis (466)	1 2.0	1 2.1		4 1.4	4 1.7							
Pneumonia (480-486)	7 14.2	7 15.0		70 24.3	61 26.5	9 15.6	2 29.0	2 29.3		6 25.1	4 26.5	2 22.7
Influenza (487)				8 2.8	6 2.6	2 3.5						
Bronchitis, chronic & unsp. (490-491)				15 5.2	15 6.5							
Emphysema (492)	3 6.1	3 6.4		4 1.4	3 1.3	1 1.7						
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 8.1	4 8.6		50 17.4	47 20.4	3 5.2	1 14.5	1 14.6		4 16.8	1 6.6	3 34.1
Ulcer of stomach & duodenum (531-533)				9 3.1	8 3.5	1 1.7	1 14.5	1 14.6		2 8.4	2 13.3	
Appendicitis (540-543)												
Hernia & intestinal obstruction (560-563, 560)	1 2.0	1 2.1		8 2.8	7 3.0	1 1.7	2 29.0	2 29.3		1 4.2		1 11.4
Chronic liver disease & cirrhosis (571)	2 4.1	2 4.3		30 10.4	22 9.6	8 13.8				1 4.2	1 6.6	
Cholelithiasis & other disorders of gallbladder (574-575)	1 2.0	1 2.1		3 1.0	2 0.9	1 1.7						
Acute glomerulonephritis & nephrotic syndrome (580-581)	1 2.0	1 2.1		1 0.3	1 0.4							
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 2.0	1 2.1		7 2.4	1 0.4	6 10.4						
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 2.0	1 2.1		15 5.2	8 3.5	7 12.1				4 16.8		4 45.4
Infections of kidney (590)				4 1.4	4 1.7					1 4.2	1 6.6	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)	1 14.8	1 15.6		1 2.2	1 3.0					1 27.0		1 54.3
Congenital anomalies (740-759)	2 4.1	2 4.3		15 5.2	14 6.1	1 1.7	1 14.5	1 14.6				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 2.0	1 2.1		14 4.9	11 4.8	3 5.2						
Other conditions originating in the perinatal period (760-766, 770-779)	5 10.1	5 10.7		9 3.1	5 2.2	4 6.9				1 4.2		1 11.4
Symptoms, signs & ill-defined conditions (780-799)	4 8.1	4 8.6		17 5.9	8 3.5	9 15.6				8 33.5	6 39.8	2 22.7
All other diseases	19 38.5	19 40.6		163 56.6	117 50.9	46 79.6	7 101.6	7 102.4		6 25.1	5 33.2	1 11.4
Motor vehicle accidents (E810-E825)	9 18.3	9 19.3		77 26.8	72 31.3	5 8.7				11 46.1	4 26.5	7 79.5
All other accidents & adverse effects (E800-E807, E826-E849)	20 40.6	20 42.8		93 32.3	80 26.1	33 57.1	3 43.6	3 43.9		10 41.9	9 59.7	1 11.4
Suicide (E950-E959)	6 12.2	6 12.8		30 10.4	26 11.3	4 6.9	2 29.0	2 29.3		4 16.8	4 26.5	
Homicide & legal intervention (E960-E978)	5 10.1	4 8.6	1	36 12.5	20 8.7	16 27.7				4 16.8		4 45.4
All other external causes (E980-E999)				11 3.8	8 3.5	3 5.2						

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	HARDIN			HAWKINS			HAYWOOD			HENDERSON		
	ALL RACES 22,280 No. Rate	WHITE 21,246 No. Rate	OTHER RACES 1,034 No. Rate	ALL RACES 43,751 No. Rate	WHITE 42,778 No. Rate	OTHER RACES 973 No. Rate	ALL RACES 20,318 No. Rate	WHITE 9,876 No. Rate	OTHER RACES 10,442 No. Rate	ALL RACES 21,390 No. Rate	WHITE 19,450 No. Rate	OTHER RACES 1,940 No. Rate
LIVE BIRTHS	278 12.5	260 12.2	18 17.4	581 13.3	563 13.2	18 18.5	350 17.2	134 13.6	216 20.7	360 16.8	321 16.5	39 20.1
ILLEGITIMATE BIRTHS	27 9.7	18 6.9	9 50.0	41 7.1	35 6.2	6 33.3	129 36.9	11 8.2	118 54.6	37 10.3	22 6.9	15 38.5
LOW-WEIGHT BIRTHS (Less than 2500 grams)	19 6.8	14 5.4	5 27.8	35 6.0	32 5.7	3 16.7	30 8.6	8 6.0	22 10.2	22 6.1	17 5.3	5 12.8
INFANT DEATHS (Under one year of age)	2 7.2	2 7.7		13 22.4	13 23.1		8 22.9	3 22.4	5 23.1	7 19.4	6 18.7	1 25.6
Neonatal Deaths (Under 28 days of age)	1 3.6	1 3.8		5 8.6	5 8.9		6 17.1	2 14.9	4 18.5	1 2.8	1 3.1	
Under 7 days of age	1	1		4	4		4	2	2	1	1	
7-27 days of age				1	1		2		2			
MATERNAL DEATHS (ICD codes 630-676)				1 17.2	1 17.8							
FETAL DEATHS	2 7.2	2 7.7		5 8.6	5 8.9		4 11.4	2 14.9	2 9.3	3 8.3	3 9.3	
INDUCED TERMINATIONS OF PREGNANCY	40 143.9	35 134.6	5 277.8	93 160.1	88 156.3	4 222.2	69 197.1	24 179.1	45 208.3	57 158.3	43 134.0	14 359.0
TOTAL DEATHS	218 9.8	197 9.3	21 20.3	335 7.7	328 7.7	7 7.2	204 10.0	95 9.6	109 10.4	235 11.0	216 11.1	19 9.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-016)	1 4.5	1 4.7										
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)				1 2.3	1 2.3							
Meningococcal infection (036)												
Septicemia (038)							1 4.9		1 9.6	1 4.7	1 5.1	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (058)												
Viral hepatitis (070)	1 4.5	1 4.7					1 4.9		1 9.6			
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)										1 4.7	1 5.1	
All other infectious & parasitic diseases (remainder of 001-139)							1 4.9	1 10.1				
Malignant neoplasms (140-208)	31 139.1	29 136.5	2	63 144.0	62 144.9	1	31 152.6	19 192.4	12 114.9	43 201.0	40 205.7	3
Lip, oral cavity & pharynx (140-149)				1 2.3	1 2.3					1 4.7	1 5.1	
Digestive organs & peritoneum (150-159)	5 22.4	4 18.8	1	13 29.7	13 30.4		5 24.6	1 10.1	4 38.3	8 37.4	7 36.0	1
Respiratory & intrathoracic organs (160-165)	10 44.9	10 47.1		17 38.9	16 37.4	1	9 44.3	6 60.8	3 28.7	9 42.1	9 46.3	
Breast (174-175)	3 13.5	3 14.1		5 11.4	5 11.7		4 19.7	3 30.4	1 9.6	3 14.0	2 10.3	
Female genital organs (179-184)	3 13.5	3 14.1		4 9.1	4 9.4		3 14.8	2 20.3	1 9.6	1 4.7	1 5.1	
Male genital organs (185-187)	4 18.0	3 14.1	1	3 6.9	3 7.0		3 14.8	1 10.1	2 19.2	3 14.0	3 15.4	
Urinary organs (188-189)				3 6.9	3 7.0		1 4.9	1 10.1				
Other & unsp. sites (170-173, 190-199)	4 18.0	4 18.8		6 13.7	6 14.0		6 29.5	5 50.6	1 9.6	13 60.8	13 68.8	
Leukemia (204-205)	1 4.5	1 4.7		4 9.1	4 9.4					4 18.7	3 15.4	1
Other lymphatic & hematopoietic tissue (200-203)	1 4.5	1 4.7		7 16.0	7 16.4					1 4.7	1 5.1	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				2 4.6	2 4.7					1 4.7	1 5.1	
Diabetes mellitus (250)	7 31.4	6 28.2	1	3 6.9	3 7.0		5 24.6	2 20.3	3 28.7	6 28.1	4 20.6	2
Nutritional deficiencies (260-269)							1 4.9		1 9.6	1 4.7	1 5.1	
Anemias (280-285)				1 2.3	1 2.3							
Meningitis (320-322)				1 2.3	1 2.3							
Diseases of heart (390-398, 402, 404-429)	75 336.6	68 320.1	7	137 313.1	134 313.2	3	82 403.6	37 374.6	45 431.0	61 285.2	58 298.2	3
Rheumatic fever & rheumatic heart disease (390-398)				2 4.6	2 4.7		6 29.5	3 30.4	3 28.7			
Hypertensive heart disease (402)	1 4.5	1 4.7		5 11.4	5 11.7							
Hypertensive heart & renal disease (404)	70 314.2	64 301.2	6	97 221.7	95 222.1	2	66 324.8	33 334.1	33 316.0	55 257.1	52 267.4	3
Iaemic heart disease (410-414)	4 18.0	3 14.1	1	33 75.4	32 74.8	1	10 49.2	1 10.1	9 86.2	6 28.1	6 30.8	
All other forms of heart disease (415-429)												
Hypertension, with or without renal disease (401, 403)	3 13.5	1 4.7	2	1 2.3	1 2.3					3 14.0	2 10.3	1
Cerebrovascular disease (430-438)	31 139.1	27 127.1	4	30 68.6	30 70.1		24 118.1	10 101.3	14 134.1	57 266.5	52 267.4	5
Atherosclerosis (440)	2 9.0	2 9.4		1 2.3	1 2.3		5 24.6	2 20.3	3 28.7			
Other diseases of arteries, arterioles & capillaries (441-445)	2 9.0	2 9.4		6 13.7	6 14.0		1 4.9	1 10.1		2 9.4	2 10.3	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	5 22.4	5 23.5		7 16.0	7 16.4		1 4.9		1 9.6	6 28.1	6 30.8	
Influenza (487)	1 4.5	1 4.7					2 9.8	1 10.1	1 9.6			
Bronchitis, chronic & unsp. (480-491)	1 4.5	1 4.7		1 2.3	1 2.3		1 4.9	1 10.1				
Emphysema (492)				2 4.6	2 4.7					2 9.4	2 10.3	
Asthma (493)										1 4.7		1
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 18.0	3 14.1	1	10 22.9	10 23.4		4 19.7	1 10.1	3 28.7	5 23.4	5 25.7	
Ulcer of stomach & duodenum (531-533)				1 2.3	1 2.3		1 4.9	1 10.1		3 14.0	3 15.4	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	4 18.0	4 18.8		5 11.4	5 11.7		1 4.9		1 9.6	2 9.4	2 10.3	
Cholelithiasis & other disorders of gallbladder (574-575)	1 4.5		1									
Acute glomerulonephritis & nephrotic syndrome (580-581)				1 2.3	1 2.3							
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 4.5	1 4.7		3 6.9	3 7.0		1 4.9	1 10.1				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	2 9.0	2 9.4		3 6.9	3 7.0		2 9.8	1 10.1	1 9.6	1 4.7	1 5.1	
Infections of kidney (590)				1 2.3	1 2.3							
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)				1 17.2	1 17.8							
Congenital anomalies (740-759)	2 9.0	2 9.4		5 11.4	5 11.7		2 9.8	1 10.1	1 9.6			
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 4.5	1 4.7		1 2.3	1 2.3							
Other conditions originating in the perinatal period (760-766, 770-779)	1 4.5		1	1 2.3	1 2.3		5 24.6	2 20.3	3 28.7	1 4.7	1 5.1	
Symptoms, signs & ill-defined conditions (780-799)	5 22.4	5 23.5		6 13.7	6 14.0		3 14.8	1 10.1	2 19.2	5 23.4	4 20.6	1
All other diseases	10 44.9	8 37.7	2	19 43.4	18 42.1	1	13 64.0	6 60.8	7 67.0	13 60.8	12 61.7	1
Motor vehicle accidents (E810-E825)	16 71.8	16 75.3		7 16.0	7 16.4		6 29.5	2 20.3	4 38.3	13 60.8	12 61.7	1
All other accidents & adverse effects (E800-E807, E826-E849)	4 18.0	4 18.8		8 18.3	8 18.7		5 24.6	1 10.1	4 38.3	7 32.7	6 30.8	1
Suicide (E950-E959)	4 18.0	4 18.8		5 11.4	4 9.4	1	1 4.9	1 10.1				
Homicide & legal intervention (E960-E978)	3 13.5	3 14.1		2 4.6	1 2.3		3 14.8	2 20.3	1 9.6			
All other external causes (E980-E999)							1 4.9	1 10.1				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	HENRY			HICKMAN			HOUSTON			HUMPHREYS		
	ALL RACES 25,656 No. Rate	WHITE 25,435 No. Rate	OTHER RACES 3,231 No. Rate	ALL RACES 15,151 No. Rate	WHITE 14,311 No. Rate	OTHER RACES 840 No. Rate	ALL RACES 6,571 No. Rate	WHITE 6,524 No. Rate	OTHER RACES 347 No. Rate	ALL RACES 15,957 No. Rate	WHITE 15,284 No. Rate	OTHER RACES 673 No. Rate
LIVE BIRTHS	372 13.0	302 11.9	70 21.7	201 13.3	193 13.5	8 9.5	104 15.1	101 15.5	3 8.6	212 13.3	202 13.2	10 14.9
ILLEGITIMATE BIRTHS	54 14.5	18 6.0	36 51.4	19 9.5	15 7.8	4	9 8.7	7 6.9	2	22 10.4	18 8.9	4 40.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	25 6.7	18 6.0	7 10.0	11 5.5	11 5.7		8 7.7	8 7.9		11 5.2	10 5.0	1 10.0
INFANT DEATHS (Under one year of age)				3 14.9	3 15.5		2 19.2	2 18.8		3 14.2	3 14.9	
Neonatal Deaths (Under 28 days of age)				3 14.9	3 15.5		2 19.2	2 18.8				
Under 7 days of age				3	3		2	2				
7-27 days of age												
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	4 10.8	2 6.6	2 28.6				1 9.6		1	3 14.2	2 9.9	1 100.0
INDUCED TERMINATIONS OF PREGNANCY	66 177.4	55 182.1	11 157.1	23 114.4	23 119.2		7 67.3	6 59.4	1	49 231.1	48 237.6	1 100.0
TOTAL DEATHS	323 11.3	276 10.9	47 14.5	151 10.0	144 10.1	7 8.3	70 10.2	67 10.3	3 8.6	166 10.4	155 10.1	11 16.3
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)				3 19.8	2 14.0	1						
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				1 6.6	1 7.0							
Acute poliomyelitis (045)	2 7.0	2 7.9										
Viral encephalitis (049.8-049.9, 052-054)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				1 6.6	1 7.0					1 6.3	1 6.5	
Malignant neoplasms (140-208)	51 178.0	46 180.9	5	36 237.6	35 244.6	1	17 247.4	15 229.9	2	29 181.7	26 170.1	3
Lip, oral cavity & pharynx (140-149)	1 3.5	1 3.9		1 6.6	1 7.0							
Digestive organs & peritoneum (150-159)	15 52.3	14 55.1	1	6 39.6	6 41.9		8 116.4	7 107.3	1	6 37.6	4 28.2	2
Respiratory & intrathoracic organs (160-165)	10 34.9	10 39.3		13 85.8	13 90.8		3 43.7	3 46.0		11 68.9	10 65.4	1
Breast (174-175)	3 10.5	3 11.8		1 6.6	1 7.0		1 14.6	1 15.3		1 6.3	1 6.5	
Female genital organs (179-184)	1 3.5		1	2 13.2	2 14.0					1 6.3	1 6.5	
Male genital organs (185-187)	6 20.9	6 23.6		3 19.8	3 21.0		1 14.6	1 15.3		4 25.1	4 26.2	
Urinary organs (188-189)	1 3.5	1 3.9								3 18.8	3 19.6	
Other & unsp. sites (170-173, 190-199)	7 24.4	4 15.7	3	8 52.3	7 48.9	1	2 29.1	2 30.7		1 6.3	1 6.5	
Leukemia (204-208)	6 20.9	6 23.6		1 6.6	1 7.0					2 12.5	2 13.1	
Other lymphatic & hematopoietic tissue (200-203)	1 3.5	1 3.9		1 6.6	1 7.0		2 29.1	1 15.3	1			
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	2 7.0	2 7.9		1 6.6	1 7.0		2 29.1	2 30.7				
Diabetes mellitus (250)	11 38.4	7 27.5	4							1 6.3	1 6.5	
Nutritional deficiencies (260-269)	1 3.5	1 3.9										
Anemias (280-285)												
Meningitis (320-323)												
Diseases of heart (390-398, 402, 404-429)	139 485.1	123 483.8	16	62 409.2	59 412.3	3	24 349.3	23 352.5	1	67 419.9	63 412.2	4
Rheumatic fever & rheumatic heart disease (390-398)	2 7.0	2 7.9										
Hypertensive heart disease (402)	5 17.4	3 11.8	2	1 6.6	1 7.0		1 14.6	1 15.3		3 18.8	3 19.6	
Hypertensive heart & renal disease (404)	1 3.5		1									
Ischemic heart disease (410-414)	110 383.9	99 389.4	11	48 316.8	47 328.4	1	16 232.9	16 245.2		40 250.7	39 255.2	1
All other forms of heart disease (415-429)	21 73.3	19 74.7	2	13 85.8	11 76.9	2	7 101.9	5 92.0	1	24 150.4	21 137.4	3
Hypertension, with or without renal disease (401, 403)	1 3.5	1 3.9										
Cerebrovascular disease (430-438)	48 167.5	43 169.1	5	11 72.6	10 69.9	1	5 72.8	5 76.6		19 119.1	18 117.8	1
Atherosclerosis (440)	4 14.0	4 15.7					1 14.6	1 15.3		3 18.8	3 19.6	
Other diseases of arteries, arterioles & capillaries (441-448)										1 6.3	1 6.5	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	13 45.4	10 39.3	3	3 19.8	3 21.0		3 43.7	3 46.0		4 25.1	4 26.2	
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)										2 12.5	2 13.1	
Emphysema (492)	2 7.0	2 7.9		1 6.6	1 7.0		1 14.6	1 15.3		2 12.5	2 13.1	
Asthma (493)										1 6.3	1 6.5	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 14.0	4 15.7		1 6.6	1 7.0		2 29.1	2 30.7		2 12.5	2 13.1	
Ulcer of stomach & duodenum (531-533)							2 29.1	2 30.7				
Appendicitis (540-543)							2 29.1	2 30.7				
Hernia & intestinal obstruction (550-553, 560)	1 3.5		1									
Chronic liver disease & cirrhosis (571)	3 10.5	2 7.9	1	4 26.4	4 28.0		1 14.6	1 15.3		4 25.1	4 26.2	
Cholelithiasis & other disorders of gallbladder (574-575)				2 13.2	2 14.0							
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1 14.6	1 15.3				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	3 10.5	1 3.9	2	1 6.6	1 7.0							
Infections of kidney (590)	3 10.5	2 7.9	1									
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)				2 13.2	2 14.0					2 12.5	2 13.1	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)				2 13.2	2 14.0		2 29.1	2 30.7				
Symptoms, signs & ill-defined conditions (780-799)	1 3.5	1 3.9		1 6.6	1 7.0		1 14.6	1 15.3		1 6.3	1 6.5	
All other diseases	17 59.3	12 47.2	5	10 66.0	9 62.9	1	2 29.1	2 30.7		10 62.7	9 58.9	1
Motor vehicle accidents (E810-E825)	5 17.4	4 15.7	1	5 33.0	5 34.9		2 29.1	2 30.7		8 50.1	8 52.3	
All other accidents & adverse effects (E800-E807, E826-E949)	5 17.4	4 15.7	1	3 19.8	3 21.0		3 43.7	3 46.0		5 31.3	3 19.6	2
Suicide (E950-E969)	3 10.5	3 11.8		1 6.6	1 7.0					3 18.8	3 19.6	
Homicide & legal intervention (E970-E978)	3 10.5	1 3.9	2				1 14.6	1 15.3				
All other external causes (E980-E999)	1 3.5	1 3.9								1 6.3	1 6.5	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	JACKSON			JEFFERSON			JOHNSON			KNOX		
	ALL RACES 9,396 No. Rate	WHITE 9,387 No. Rate	OTHER RACES 9 No. Rate	ALL RACES 31,284 No. Rate	WHITE 30,259 No. Rate	OTHER RACES 1,025 No. Rate	ALL RACES 13,745 No. Rate	WHITE 13,623 No. Rate	OTHER RACES 122 No. Rate	ALL RACES 319,694 No. Rate	WHITE 288,675 No. Rate	OTHER RACES 31,019 No. Rate
LIVE BIRTHS	102 10.9	102 10.9		407 13.0	392 13.0	15 14.6	187 13.6	185 13.6	2 16.4	4,205 13.2	3,828 12.6	577 18.6
ILLEGITIMATE BIRTHS	5 4.9	5 4.9		40 9.8	36 9.2	4 26.7	23 12.3	22 11.9	1	715 17.0	391 10.8	324 58.2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	8 7.8	8 7.8		40 9.8	34 8.7	6 40.0	18 9.6	18 9.7		294 7.0	218 6.0	76 13.2
INFANT DEATHS (Under one year of age)	1 9.8	1 9.5		7 17.2	7 17.9		1 5.3	1 5.4		53 12.6	42 11.6	11 19.1
Neonatal Deaths (Under 28 days of age)				6 14.7	6 15.3					40 9.5	30 8.3	10 17.3
Under 7 days of age				4	4					31	21	10
7-27 days of age				2	2					9	9	
MATERNAL DEATHS (ICD codes 630-676)										1 2.4		1 17.3
FETAL DEATHS				1 2.5	1 2.6					31 7.4	21 5.8	10 17.3
INDUCED TERMINATIONS OF PREGNANCY	8 78.4	8 78.4		87 213.8	83 211.7	4 266.7	12 64.2	12 64.9		2,076 493.7	1,785 492.0	281 487.0
TOTAL DEATHS	94 10.0	94 10.0		239 7.6	230 7.6	9 8.8	140 10.2	138 10.1	2 16.4	2,832 8.9	2,530 8.8	302 9.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				2 6.4	2 6.6					12 3.8	6 2.1	6 19.3
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	2 21.3	2 21.4								6 1.9	4 1.4	2 6.4
Acute poliomyelitis (045)												
Viral encephalitis (049.9-049.9, 062-064)										1 0.3	1 0.3	
Measles (055)										1 0.3	1 0.3	
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				2 6.4	2 6.6					3 0.9	3 1.0	
Malignant neoplasms (140-208)	13 138.3	13 138.8		41 131.1	39 128.9	2	29 211.0	29 212.9		620 193.9	557 193.0	63 203.1
Lip, oral cavity & pharynx (140-149)				1 3.2	1 3.3					17 5.3	15 5.2	2 6.4
Digestive organs & peritoneum (150-159)	4 42.6	4 42.7		11 35.2	10 33.0	1	8 58.2	8 58.7		149 46.6	130 45.0	19 61.3
Respiratory & intrathoracic organs (160-165)	2 21.3	2 21.4		10 32.0	9 29.7	1	9 65.5	9 66.1		170 53.2	156 54.0	14 45.1
Breast (174-175)	3 31.9	3 32.0		3 9.6	3 9.9		3 21.8	3 22.0		50 15.6	48 16.6	2 6.4
Female genital organs (179-184)				4 12.8	4 13.2		3 21.8	3 22.0		49 15.3	44 15.2	5 16.1
Male genital organs (185-187)				3 9.6	3 9.9					33 10.3	26 9.0	7 22.6
Urinary organs (188-189)				1 3.2	1 3.3		2 14.6	2 14.7		27 8.4	22 7.6	5 16.1
Other & unsp. sites (170-173, 190-199)	1 10.6	1 10.7		4 12.8	4 13.2		4 29.1	4 29.4		72 22.8	68 23.6	4 12.9
Leukemia (204-208)				2 6.4	2 6.6					25 7.8	23 8.0	2 6.4
Other lymphatic & hematopoietic tissue (200-203)	2 21.3	2 21.4		2 6.4	2 6.6					28 8.8	25 8.7	3 9.7
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)										12 3.8	12 4.2	
Diabetes mellitus (250)				9 28.8	9 29.7					29 9.1	24 8.3	5 16.1
Nutritional deficiencies (260-269)				1 3.2	1 3.3					6 1.9	6 2.1	
Anemias (280-285)				1 3.2	1 3.3					5 1.6	3 1.0	2 6.4
Meningitis (320-322)				1 3.2	1 3.3					1 0.3	1 0.3	
Diseases of heart (390-398, 402, 404-429)	40 425.6	40 427.0		84 268.5	84 277.6		52 378.3	52 381.7		887 277.5	812 281.3	75 241.8
Rheumatic fever & rheumatic heart disease (390-398)							1 7.3	1 7.3		8 2.5	7 2.4	1 3.2
Hypertensive heart disease (402)	1 10.6	1 10.7								15 4.7	10 3.5	5 16.1
Hypertensive heart & renal disease (404)				1 3.2	1 3.3					3 0.9	2 0.7	1 3.2
Ischemic heart disease (410-414)	35 372.4	35 373.7		77 246.1	77 254.5		37 269.2	37 271.6		677 211.8	634 219.6	43 138.6
All other forms of heart disease (415-429)	4 42.6	4 42.7		6 19.2	6 19.8		14 101.9	14 102.8		184 57.6	159 55.1	25 80.6
Hypertension, with or without renal disease (401, 403)				1 3.2	1 3.3					10 3.1	7 2.4	3 9.7
Cerebrovascular disease (430-438)	10 106.4	10 106.8		25 79.9	24 79.3	1	15 109.1	14 102.8	1	297 92.9	271 93.9	26 83.8
Atherosclerosis (440)	4 42.6	4 42.7		3 9.6	3 9.9		4 29.1	4 29.4		40 12.5	34 11.8	6 19.3
Other diseases of arteries, arterioles & capillaries (441-448)	2 21.3	2 21.4		2 6.4	2 6.6					25 7.8	22 7.6	3 9.7
Acute bronchitis & bronchiolitis (466)										3 0.9	3 1.0	
Pneumonia (480-486)	2 21.3	2 21.4		6 19.2	6 19.8		3 21.8	3 22.0		63 19.7	53 18.4	10 32.2
Influenza (487)										3 0.9	3 1.0	
Bronchitis, chronic & unsp. (490-491)				1 3.2	1 3.3					7 2.2	7 2.4	
Emphysema (492)				1 3.2	1 3.3		1 7.3	1 7.3		29 9.1	28 9.7	1 3.2
Asthma (493)				1 3.2	1 3.3					1 0.3	1 0.3	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 42.6	4 42.7		8 25.6	8 26.4		2 14.6	2 14.7		55 17.2	51 17.7	4 12.9
Ulcer of stomach & duodenum (531-533)				1 3.2	1 3.3		1 7.3	1 7.3		2 0.6	1 0.3	1 3.2
Appendicitis (540-543)				1 3.2	1 3.3					1 0.3	1 0.3	
Hernia & intestinal obstruction (550-553, 560)										5 1.6	4 1.4	1 3.2
Chronic liver disease & cirrhosis (571)	3 31.9	3 32.0		2 6.4	2 6.6		1 7.3	1 7.3		36 11.3	32 11.1	4 12.9
Cholelithiasis & other disorders of gallbladder (574-575)				1 3.2	1 3.3					7 2.2	7 2.4	
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)										7 2.2	6 2.1	1 3.2
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)												
Infections of kidney (590)	2 21.3	2 21.4		1 3.2	1 3.3		1 7.3	1 7.3		10 3.1	8 2.8	2 6.4
Hyperplasia of prostate (600)										4 1.3	3 1.0	1 3.2
Complications of pregnancy, childbirth & the puerperium (630-676)										1 2.4		1 17.3
Congenital anomalies (740-759)										22 6.9	20 6.9	2 6.4
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				2 6.4	2 6.6		1 7.3	1 7.3				
Other conditions originating in the perinatal period (760-766, 770-779)				2 6.4	2 6.6					5 1.6	2 0.7	3 9.7
Symptoms, signs & ill-defined conditions (780-799)	1 10.6	1 10.7		9 28.8	7 23.1	2	2 14.6	1 7.3	1	240 75.1	200 69.3	40 129.0
All other diseases	5 53.2	5 53.4		12 38.4	11 36.4	1	12 87.3	12 88.1		146 45.7	131 45.4	15 48.4
Motor vehicle accidents (E810-E825)	1 10.6	1 10.7		7 22.4	7 23.1		10 72.8	10 73.4		84 26.3	81 28.1	3 9.7
All other accidents & adverse effects (E800-E807, E826-E949)	2 21.3	2 21.4		4 12.8	3 9.9	1	1 7.3	1 7.3		53 16.6	47 16.3	6 19.3
Suicide (E950-E959)	1 10.6	1 10.7		3 9.6	3 9.9		5 36.4	5 36.7		35 10.9	33 11.4	2 6.4
Homicide & legal intervention (E960-E978)	1 10.6	1 10.7		3 9.6	1 3.3	2				33 10.3	25 8.7	8 25.8
All other external causes (E980-E999)	1 10.6	1 10.7		2 6.4	2 6.6					6 1.9	6 2.1	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	LAKE			LAUDERDALE			LAWRENCE			LEWIS		
	All Races 7,455 No. Rate	White 6,013 No. Rate	Other Races 1,442 No. Rate	All Races 24,555 No. Rate	White 16,789 No. Rate	Other Races 7,766 No. Rate	All Races 34,110 No. Rate	White 33,513 No. Rate	Other Races 592 No. Rate	All Races 9,700 No. Rate	White 9,473 No. Rate	Other Races 227 No. Rate
LIVE BIRTHS	117 15.7	87 14.5	30 20.8	436 17.8	246 14.7	190 24.4	499 14.6	490 14.6	9 15.2	185 19.1	184 19.4	1 4.4
ILLEGITIMATE BIRTHS	28 23.9	7 8.0	21 70.0	136 31.2	29 11.8	107 56.3	29 5.8	27 5.5	2	18 9.7	18 9.8	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	14 12.0	7 8.0	7 23.3	53 12.2	18 7.3	35 18.4	27 5.4	26 5.3	1	8 4.3	8 4.3	
INFANT DEATHS (Under one year of age)	1 8.5		1 33.3	10 22.9	5 20.3	5 26.3	6 12.0	6 12.2		2 10.8	2 10.9	
Neonatal Deaths (Under 28 days of age)				8 18.3	3 12.2	5 26.3	5 10.0	5 10.2		2 10.8	2 10.9	
Under 7 days of age				8	3	5	4	4		2	2	
7-27 days of age							1	1				
MATERNAL DEATHS (ICD codes 630-676)							1 20.0	1 20.4				
FETAL DEATHS	2 17.1		2 66.7	6 13.8	1 4.1	5 26.3	6 12.0	6 12.2		2 10.8	2 10.9	
INDUCED TERMINATIONS OF PREGNANCY	16 136.8	13 149.4	3 100.0	58 133.0	42 170.7	16 84.2	49 98.2	49 100.0		16 86.5	15 81.5	1
TOTAL DEATHS	98 12.7	81 13.5	14 9.7	250 10.2	180 10.7	70 9.0	336 9.9	330 9.8	6 10.1	87 9.0	83 8.8	4 17.6
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				1 4.1	1 6.0		2 5.9	2 6.0				
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				3 12.2	3 17.9							
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)	1 13.4	1 16.6										
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 2.9	1 3.0				
Malignant neoplasms (140-208)	19 254.9	16 266.1	3	41 167.0	29 172.9	12 154.1	64 187.6	63 188.0	1	10 103.1	10 105.6	
Lip, oral cavity & pharynx (140-149)							2 5.9	2 6.0		1 10.3	1 10.6	
Digestive organs & peritoneum (150-159)	3 40.2	3 49.9		11 44.8	8 47.7	3 38.5	12 35.2	12 35.8		3 30.9	3 31.7	
Respiratory & intrathoracic organs (160-165)	6 80.5	5 83.2	1	13 52.9	10 59.6	3 38.5	17 49.8	16 47.7	1	4 41.2	4 42.2	
Breast (174-175)				3 12.2	1 6.0	2 25.7	3 8.8	3 9.0				
Female genital organs (179-184)	1 13.4	1 16.6		2 8.1	2 11.9		3 8.8	3 9.0				
Male genital organs (185-187)	2 26.3	2 33.3		1 4.1			1 12.8	5 14.7		1 10.3	1 10.6	
Urinary organs (188-189)	2 26.8	1 16.6	1	1 4.1		1 12.8	4 11.7	4 11.9				
Other & unsp. sites (170-173, 190-199)	1 13.4	1 16.6		6 24.4	5 29.8	1 12.8	12 35.2	12 35.8		1 10.3	1 10.6	
Leukemia (204-206)	3 40.2	2 33.3	1	3 12.2	2 11.9	1 12.8	4 11.7	4 11.9				
Other lymphatic & hematopoietic tissue (200-203)	1 13.4	1 16.6		1 4.1	1 6.0		2 5.9	2 6.0				
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)												
Diabetes mellitus (250)	1 13.4	1 16.6		2 8.1	1 6.0	1 12.8	4 11.7	4 11.9				
Nutritional deficiencies (260-269)				1 4.1	1 6.0		2 5.9	2 6.0				
Anemias (280-285)												
Meningitis (320-322)							2 5.9	2 6.0				
Diseases of heart (390-398, 402, 404-429)	28 375.6	26 432.4	2	85 346.2	70 417.4	15 192.7	164 480.8	161 480.3	3	37 381.4	36 380.0	1
Rheumatic fever & rheumatic heart disease (390-398)				1 4.1	1 6.0							
Hypertensive heart disease (402)				1 4.1		1 12.8	2 5.9	2 6.0				
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	26 346.8	24 399.1	2	88 276.9	56 333.9	12 154.1	128 375.3	125 372.9	3	33 340.2	32 337.8	1
All other forms of heart disease (415-429)	2 26.8	2 33.3		15 61.1	13 77.5	2 25.7	34 99.7	34 101.4		4 41.2	4 42.2	
Hypertension, with or without renal disease (401, 403)				1 4.1	1 6.0							
Cerebrovascular disease (430-438)	17 228.0	12 199.6	5	37 150.7	21 125.2	16 205.5	26 76.2	25 74.6	1	7 72.2	7 73.9	
Atherosclerosis (440)				4 16.3	3 17.9	1 12.8	2 5.9	2 6.0		1 10.3	1 10.6	
Other diseases of arteries, arterioles & capillaries (441-448)				3 12.2	2 11.9	1 12.8				1 10.3	1 10.6	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	2 26.8	1 16.6	1	4 16.3	3 17.9	1 12.8	7 20.5	7 20.9		1 10.3	1 10.6	
Influenza (487)							2 5.9	2 6.0		2 20.6	2 21.1	
Bronchitis, chronic & unsp. (490-491)				1 4.1	1 6.0		3 8.8	3 9.0		1 10.3	1 10.6	
Emphysema (492)				1 4.1	1 6.0							
Asthma (493)				1 4.1		1 12.8						
Other chronic obstructive pulmonary disease & allied conditions (494-498)	1 13.4	1 16.6		9 36.7	9 53.7		3 8.8	3 9.0		1 10.3	1 10.6	
Ulcer of stomach & duodenum (531-533)				1 4.1	1 6.0		1 2.9	1 3.0		2 20.6	2 21.1	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							6 17.6	6 17.9				
Chronic liver disease & cirrhosis (571)	1 13.4	1 16.6										
Cholelithiasis & other disorders of gallbladder (574-575)				1 4.1	1 6.0							
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				4 16.3	1 6.0	3 38.5	1 2.9	1 3.0				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				3 12.2	2 11.9	1 12.8	2 5.9	2 6.0		1 10.3		1
Infections of kidney (590)				1 4.1	1 6.0		1 2.9	1 3.0				
Hyperplasia of prostate (600)	1 13.4	1 16.6										
Complications of pregnancy, childbirth & the puerperium (630-676)							1 20.0	1 20.4				
Congenital anomalies (740-759)				3 12.2	3 17.9		4 11.7	4 11.9				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)				2 8.1	1 6.0	1 12.8				2 20.6	2 21.1	
Symptoms, signs & ill-defined conditions (780-799)				6 24.4	2 11.9	4 51.4	2 5.9	2 6.0				
All other diseases	4 53.7	3 49.9	1	11 44.8	7 41.7	4 51.4	13 38.1	12 35.8	1	2 20.6	2 21.1	
Motor vehicle accidents (E810-E825)	2 26.8	2 33.3		7 28.5	4 23.9	3 38.5				3 30.9	3 31.7	
All other accidents & adverse effects (E830-E807, E826-E849)	8 107.3	7 116.4	1	4 16.3	4 23.9		12 35.2	12 35.8		2 20.6	1 10.6	1
Suicide (E960-E969)	2 26.8	2 33.3		10 40.7	5 29.8	5 64.2	4 11.7	4 11.9		12 123.7	11 116.1	1
Homicide & legal intervention (E980-E978)	3 40.2	2 33.3	1	1 4.1	2 11.9	1 12.8	4 11.7	4 11.9		2 20.6	2 21.1	
All other external causes (E990-E999)				2 8.1			1 2.9	1 3.0				

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Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	LINCOLN			LOUDON			MCMINN			MCNARY		
	All Races 26,483 No. Rate	White 23,765 No. Rate	Other Races 2,718 No. Rate	All Races 28,553 No. Rate	White 28,055 No. Rate	Other Races 498 No. Rate	All Races 41,878 No. Rate	White 39,629 No. Rate	Other Races 2,249 No. Rate	All Races 22,525 No. Rate	White 21,036 No. Rate	Other Races 1,489 No. Rate
LIVE BIRTHS	373 14.1	324 13.6	49 18.0	366 12.8	359 12.8	7 14.1	604 14.4	558 14.1	46 20.8	348 15.4	308 14.6	40 26.9
ILLEGITIMATE BIRTHS	48 12.9	18 5.6	30 61.2	36 9.6	32 8.9	3	70 11.6	49 8.8	21 45.7	29 8.3	16 5.2	13 32.5
LOW-WEIGHT BIRTHS (Less than 2500 grams)	32 8.6	26 8.0	6 12.2	26 7.1	24 6.7	2	36 6.0	31 5.6	5 10.9	20 5.7	18 5.8	2 5.0
INFANT DEATHS (Under one year of age)	3 8.0	2 6.2	1 20.4	2 5.5	2 5.6		5 8.3	5 9.0		1 2.9	1 3.2	
Neonatal Deaths (Under 28 days of age)	3 8.0	2 6.2	1 20.4	2 5.5	2 5.6		3 5.0	3 5.4				
Under 7 days of age	2	1	1	2	2		1	1				
7-27 days of age	1	1					2	2				
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	9 24.1	9 27.8		3 8.2	3 8.4		3 5.0	3 5.4		4 11.5	3 9.7	1 25.0
INDUCED TERMINATIONS OF PREGNANCY	9 24.1	8 24.7	1 20.4	106 289.6	103 286.9	2	139 230.1	131 234.8	7 152.2	33 94.8	29 94.2	4 100.0
TOTAL DEATHS	262 9.9	238 10.0	24 8.8	244 8.5	239 8.5	5 10.0	394 9.4	370 9.3	24 10.7	225 10.0	209 9.9	16 10.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	1 3.8	1 4.2		4 14.0	4 14.3					1 4.4		1
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 052-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				2 7.0	2 7.1		1 2.4	1 2.5		1 4.4	1 4.8	
Malignant neoplasms (140-208)	60 226.6	57 239.8	3	60 210.1	59 210.3	1	74 176.7	69 174.1	5	43 190.9	41 194.9	2
Lip, oral cavity & pharynx (140-141)	1 3.8	1 4.2					1 2.4	1 2.5		1 4.4	1 4.8	
Digestive organs & peritoneum (150-159)	13 49.1	12 50.5	1	15 52.5	15 53.5		26 62.1	23 58.0	3	11 48.8	11 52.3	
Respiratory & intrathoracic organs (160-165)	18 68.0	17 71.5	1	12 42.0	12 42.8		20 47.8	20 50.5		11 48.8	11 52.3	
Breast (174-175)	7 26.4	7 29.5		3 10.5	3 10.7		6 14.3	6 15.1		2 8.9	2 9.5	
Female genital organs (179-184)	2 7.6	2 8.4		7 24.5	7 25.0		1 2.4	1 2.5		5 22.2	4 19.0	1
Male genital organs (185-187)	2 7.6	2 8.4		3 10.5	3 10.7		3 7.2	2 5.0	1	2 8.9	2 9.5	
Urinary organs (188-189)	4 15.1	4 16.8		1 3.5	1 3.6		1 2.4	1 2.5		2 8.9	2 9.5	
Other & unsp. sites (170-173, 190-199)	6 22.7	5 21.0	1	12 42.0	11 39.2	1	7 16.7	6 15.1	1	5 22.2	4 19.0	1
Leukemia (204-208)	3 11.3	3 12.6		3 10.5	3 10.7		4 9.6	4 10.1		2 8.9	2 9.5	
Other lymphatic & hematopoietic tissue (200-203)	4 15.1	4 16.8		4 14.0	4 14.3		5 11.9	5 12.6		2 8.9	2 9.5	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	2 7.6	2 8.4		1 3.5	1 3.6		3 7.2	3 7.6				
Diabetes mellitus (250)	5 18.9	4 16.8	1	4 14.0	4 14.3		6 14.3	6 15.1		1 4.4	1 4.8	
Nutritional deficiencies (260-269)							2 4.8	2 5.0				
Anemias (280-285)				1 3.5	1 3.6		2 4.8	2 5.0				
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	96 362.5	80 374.5	7	97 339.7	94 335.1	3	150 358.2	142 358.3	8	99 439.5	93 442.1	6
Rheumatic fever & rheumatic heart disease (390-398)							1 2.4	1 2.5		4 17.8	4 19.0	
Hypertensive heart disease (402)	2 7.6	2 8.4		3 10.5	2 7.1	1	2 4.8	2 5.0				
Hypertensive heart & renal disease (404)				2 7.0	2 7.1		1 2.4			1 4.4	1 4.8	
Ischemic heart disease (410-414)	71 268.1	65 273.5	6	84 294.2	82 292.3	2	121 288.9	115 290.2	6	83 368.5	79 375.5	4
All other forms of heart disease (415-429)	23 86.8	22 92.6	1	8 28.0	8 28.5		25 59.7	24 60.6	1	11 48.8	9 42.8	2
Hypertension, with or without renal disease (401, 403)	2 7.6	2 8.4								2 8.9	2 9.5	
Cerebrovascular disease (430-438)	13 49.1	13 54.7		19 66.5	19 67.7		53 126.6	49 123.6	4	31 137.6	28 133.1	3
Atherosclerosis (440)	8 30.2	5 21.0	3	3 10.5	3 10.7		5 11.9	5 12.6				
Other diseases of arteries, arterioles & capillaries (441-448)	2 7.6	2 8.4		2 7.0	2 7.1		4 9.6	3 7.6	1	2 8.9	2 9.5	
Acute bronchitis & bronchiolitis (486)												
Pneumonia (480-486)	13 49.1	12 50.5	1	6 21.0	6 21.4		6 14.3	6 15.1		5 22.2	4 19.0	1
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)				1 3.5	1 3.6							
Emphysema (492)	1 3.8	1 4.2					5 11.9	5 12.6		2 8.9	2 9.5	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	5 18.9	4 16.8	1	7 24.5	7 25.0		7 16.7	7 17.7		5 22.2	5 23.8	
Ulcer of stomach & duodenum (531-533)	1 3.8	1 4.2		2 7.0	2 7.1							
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)	1 3.8		1				2 4.8	2 5.0				
Chronic liver disease & cirrhosis (571)	4 15.1	4 16.8		2 7.0	2 7.1		3 7.2	2 5.0	1	5 22.2	4 19.0	1
Cholelithiasis & other disorders of gallbladder (574-575)	1 3.8		1				1 2.4	1 2.5				
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				1 3.5	1 3.6		2 4.8	2 5.0				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	6 22.7	4 16.8	2	1 3.5	1 3.6		7 16.7	4 10.1	3			
Infections of kidney (590)							1 2.4	1 2.5				
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 3.8	1 4.2		1 3.5	1 3.6		1 2.4	1 2.5		1 4.4	1 4.8	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)	3 11.3	2 8.4	1	1 3.5	1 3.6		2 4.8	2 5.0				
Symptoms, signs & ill-defined conditions (780-799)	4 15.1	3 12.6	1	1 3.5	1 3.6		2 4.8	2 5.0		1 4.4	1 4.8	
All other diseases	14 52.9	13 54.7	1	14 49.0	13 46.3	1	21 50.1	21 53.0		10 44.4	8 38.0	2
Motor vehicle accidents (E810-E825)	6 22.7	6 25.2		4 14.0	4 14.3		13 31.0	13 32.8		6 26.6	6 28.5	
All other accidents & adverse effects (E800-E807, E826-E849)	8 30.2	7 29.5	1	5 17.5	5 17.8		11 26.3	10 25.2	1	6 26.6	6 28.5	
Suicide (E950-E959)	2 7.6	2 8.4		3 10.5	3 10.7		5 11.9	5 12.5		3 13.3	3 14.3	
Homicide & legal intervention (E960-E979)	1 3.8	1 4.2		2 7.0	2 7.1		5 11.9	4 10.1	1	1 4.4	1 4.8	
All other external causes (E980-E999)	2 7.6	2 8.4										

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin. Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	MACON			MADISON			MARION			MARSHALL		
	ALL RACES 15,700 No. Rate	WHITE 15,608 No. Rate	OTHER RACES 92 No. Rate	ALL RACES 14,546 No. Rate	WHITE 51,955 No. Rate	OTHER RACES 22,591 No. Rate	ALL RACES 24,416 No. Rate	WHITE 23,262 No. Rate	OTHER RACES 1,154 No. Rate	ALL RACES 19,698 No. Rate	WHITE 17,704 No. Rate	OTHER RACES 1,994 No. Rate
LIVE BIRTHS	231 14.7	231 14.8		1,190 16.0	727 14.0	463 20.5	336 13.8	324 13.9	12 10.4	285 14.5	252 14.2	33 16.5
ILLEGITIMATE BIRTHS	15 6.5	15 6.5		271 22.8	30 4.1	241 52.1	35 10.4	30 9.3	5 41.7	44 15.4	26 10.3	18 54.5
LOW-WEIGHT BIRTHS (Less than 2500 grams)	12 5.2	12 5.2		94 7.9	35 4.6	59 12.7	25 7.4	25 7.7		29 10.2	26 10.3	3 9.1
INFANT DEATHS (Under one year of age)	5 21.6	5 21.6		15 12.6	8 11.0	7 15.1	3 8.9	3 9.3		3 10.5	2 7.9	1 30.3
Neonatal Deaths (Under 28 days of age)	4 17.3	4 17.3		9 7.6	4 5.5	5 10.8	2 6.0	2 6.2		1 3.5	1 4.0	
Under 7 days of age	2	2		8	4	4	2	2		1	1	
7-27 days of age	2	2		1		1						
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 4.3	1 4.3		12 10.1	3 4.1	9 19.4	3 8.9	3 9.3		2 7.0	2 7.9	
INDUCED TERMINATIONS OF PREGNANCY	23 99.6	23 99.6		281 236.1	182 250.3	99 213.8	47 139.9	43 132.7	4 333.3	35 122.8	31 123.0	4 121.2
TOTAL DEATHS	165 10.5	164 10.5	1 10.9	720 9.7	494 9.5	226 10.0	220 9.0	208 8.9	11 9.5	215 10.9	195 11.0	20 10.0
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 008)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	2 12.7	2 12.8		5 6.7	3 5.8	2 8.9	1 4.1	1 4.3		4 20.3	3 16.9	1
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				2 2.7		2 8.9						
Malignant neoplasms (140-208)	22 140.1	22 141.0		140 187.8	97 186.7	43 190.3	40 163.8	37 159.1	3	47 238.6	43 242.9	4
Lip, oral cavity & pharynx (140-149)				1 1.3		1 4.4	2 8.2	2 8.6				
Digestive organs & peritoneum (150-159)	3 19.1	3 19.2		37 49.6	26 50.0	11 48.7	9 36.9	8 34.4	1	10 50.8	9 50.8	1
Respiratory & intrathoracic organs (160-165)	11 70.1	11 70.5		40 53.7	33 63.5	7 31.0	10 41.0	9 38.7	1	14 71.1	14 79.1	
Breast (174-175)	1 6.4	1 6.4		7 9.4	5 9.6	2 8.9	3 12.3	3 12.9		1 5.1		
Female genital organs (179-184)	1 6.4	1 6.4		8 10.7	3 5.8	5 22.1	3 12.3	3 12.9		1 5.1		
Male genital organs (185-187)	2 12.7	2 12.8		11 14.8	5 9.6	6 26.6	4 16.4	4 17.2		2 10.2	1 5.6	
Urinary organs (188-189)				11 14.8	10 19.2	1 4.4	2 8.2	2 8.6		5 25.4	5 28.2	
Other & unsp. sites (170-173, 190-199)	2 12.7	2 12.8		13 17.4	8 15.4	5 22.1	4 16.4	4 17.2		7 35.5	7 39.5	
Leukemia (204-208)	1 6.4	1 6.4		5 6.7	5 9.6		2 8.2	1 4.3	1	6 30.5	6 33.9	
Other lymphatic & hematopoietic tissue (200-203)	1 6.4	1 6.4		7 9.4	2 3.8	5 22.1	1 4.1	1 4.3		1 5.1	1 5.6	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 6.4	1 6.4		2 2.7	1 1.9	1 4.4				1 5.1	1 5.6	
Diabetes mellitus (250)	2 12.7	2 12.8		7 9.4	3 5.8	4 17.7	2 8.2	2 8.6		2 10.2	2 11.3	
Nutritional deficiencies (260-269)	1 6.4	1 6.4		2 2.7	1 1.9	1 4.4						
Anemias (280-285)				1 1.3	1 1.9					1 5.1	1 5.6	
Meningitis (320-322)	1 6.4	1 6.4								1 5.1	1 5.6	
Diseases of heart (390-398, 402, 404-429)	68 433.1	68 435.7		260 348.8	186 358.0	74 327.6	82 335.8	77 331.0	5	79 401.1	74 418.0	5
Rheumatic fever & rheumatic heart disease (390-398)	1 6.4	1 6.4		1 1.3	1 1.9							
Hypertensive heart disease (402)	1 6.4	1 6.4		3 9.4	2 3.8	5 22.1	2 8.2	2 8.6		2 10.2	2 11.3	
Hypertensive heart & renal disease (404)	1 6.4	1 6.4		3 4.0		3 13.3						
Ischemic heart disease (410-414)	57 363.1	57 365.2		213 285.7	166 318.5	47 208.0	62 253.9	58 249.3	4	63 319.8	59 333.3	4
All other forms of heart disease (415-429)	8 51.0	8 51.3		36 48.3	17 32.7	19 84.1	18 73.7	17 73.1	1	14 71.1	13 73.4	1
Hypertension, with or without renal disease (401, 403)	1 6.4	1 6.4		7 9.4	3 5.8	4 17.7	1 4.1	1 4.3		2 10.2	1 5.6	
Cerebrovascular disease (430-438)	16 101.9	16 96.1	1	96 128.8	66 127.0	30 132.8	24 98.3	23 98.9	1	21 106.6	17 96.0	4
Atherosclerosis (440)	1 6.4	1 6.4		11 14.8	11 21.2					3 15.2	3 16.9	
Other diseases of arteries, arterioles & capillaries (441-448)	5 31.8	5 32.0		9 12.1	6 11.5	3 13.3	1 4.1	1 4.3		2 10.2	2 11.3	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	8 51.0	8 51.3		17 22.8	11 21.2	6 26.6	6 24.6	6 25.8		5 25.4	5 28.2	
Influenza (487)				1 1.3		1 4.4				1 5.1	1 5.6	
Bronchitis, chronic & unsp. (490-491)	1 6.4	1 6.4		2 2.7	2 3.8							
Emphysema (492)	1 6.4	1 6.4		4 5.4	4 7.7		1 4.1	1 4.3		1 5.1	1 5.6	
Asthma (493)				2 2.7	1 1.9	1 4.4						
Other chronic obstructive pulmonary disease & allied conditions (494-496)	1 6.4	1 6.4		18 24.1	16 30.8	2 8.9	2 8.2	2 8.6		5 25.4	5 28.2	
Ulcer of stomach & duodenum (531-533)							1 4.1	1 4.3				
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)				1 1.3	1 1.9					1 5.1	1 5.6	
Chronic liver disease & cirrhosis (571)				8 10.7	5 9.6	3 13.3	1 4.1		1	2 10.2	2 11.3	
Cholelithiasis & other disorders of gallbladder (574-575)				1 1.3	1 1.9		3 12.3	3 12.9				
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 6.4	1 6.4		1 1.3	1 1.9					2 10.2	1 5.6	1
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				4 5.4	2 3.8	2 8.9	5 20.5	4 17.2	1	1 5.1	1 5.6	
Infections of kidney (590)				2 2.7		2 8.9						
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	3 19.1	3 19.2		6 8.0	4 7.7	2 8.9	1 4.1	1 4.3				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-789)				2 2.7		2 8.9	1 4.1	1 4.3		1 5.1	1 5.6	
Other conditions originating in the perinatal period (760-766, 770-779)	2 12.7	2 12.8		4 5.4	2 3.8	2 8.9	1 4.1	1 4.3				
Symptoms, signs & ill-defined conditions (780-799)	1 6.4	1 6.4		12 16.1	6 11.5	6 26.6	6 24.6	6 25.8		3 15.2	1 5.6	2
All other diseases	8 51.0	8 51.3		47 63.0	30 57.7	17 75.3	15 61.4	15 64.5		13 66.0	12 67.8	1
Motor vehicle accidents (E810-E825)	4 25.5	4 25.6		12 16.1	9 17.3	3 13.3	14 57.3	14 60.2		2 10.2	1 5.6	1
All other accidents & adverse effects (E800-E807, E826-E849)	9 57.3	9 57.7		23 30.9	14 26.9	9 39.8	7 28.7	6 25.8		8 40.6	8 45.2	
Suicide (E960-E969)	2 12.7	2 12.8		6 8.0	5 9.6	1 4.4				6 30.5	6 33.9	
Homicide & legal intervention (E970-E978)	3 19.1	3 19.2		5 6.7	2 3.8	5 13.3	5 20.5	5 21.5		1 5.1	1 5.6	
All other external causes (E980-E999)	1 6.4	1 6.4										

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	MAURY			MEigs			MONROE			MONTGOMERY		
	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate
LIVE BIRTHS	755 14.8	580 13.6	175 20.4	101 13.6	98 13.5	3 19.7	437 15.2	419 15.1	18 18.8	1,620 18.4	1,243 18.7	377 22.3
ILLEGITIMATE BIRTHS	171 22.6	55 9.5	116 66.3	10 9.9	9 9.2	1	39 8.9	29 6.9	10 55.6	211 13.0	96 7.9	113 30.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	54 7.2	34 5.9	20 11.4	7 6.9	7 7.1		35 8.0	35 8.4		124 7.7	84 8.8	40 10.6
INFANT DEATHS (Under one year of age)	11 14.6	9 15.5	2 11.4	1 9.9	1 10.2		8 18.3	7 16.7	1 55.6	26 16.0	18 14.5	8 21.2
Neonatal Deaths (Under 28 days of age)	7 9.3	7 12.1					5 11.4	4 9.5	1 55.6	19 11.7	14 11.3	5 13.3
Under 7 days of age	5	5					5	4	1	15	12	3
7-27 days of age	2	2								4	3	2
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	7 9.3	5 8.6	2 11.4	2 19.8	2 20.4		5 11.4	5 11.9		17 10.5	10 8.0	7 18.6
INDUCED TERMINATIONS OF PREGNANCY	152 201.3	117 201.7	35 200.0	8 79.2	8 81.6		94 215.1	88 210.0	6 333.3	329 203.1	237 190.7	83 220.2
TOTAL DEATHS	462 9.0	387 9.1	75 8.7	61 8.2	58 8.0	3 19.7	252 8.8	245 8.8	7 7.3	528 6.3	429 6.5	99 5.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)	1 2.0	1 2.4										
Tuberculosis, all forms (010-018)							2 7.0	2 7.2				
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (038)												
Septicemia (038)	2 3.9	1 2.4	1 11.6				1 3.5	1 3.6				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (065)												
Viral hepatitis (070)	1 2.0	1 2.4										
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 3.5	1 3.6		1 1.2	1 1.5	
Malignant neoplasms (140-208)	96 187.9	85 200.0	11 128.0	17 228.8	17 233.5		48 167.2	48 173.0		106 127.2	93 140.0	13 78.8
Lip, oral cavity & pharynx (140-149)	6 11.7	5 11.8	1 11.6	1 13.5	1 13.7		12 41.8	12 43.3		2 2.4	2 3.0	
Digestive organs & peritoneum (150-159)	20 39.1	16 37.6	4 46.5	5 67.3	5 68.7					26 31.2	22 33.1	4 23.6
Respiratory & intrathoracic organs (160-169)	30 58.7	29 68.2	1 11.6	3 40.4	3 41.3		11 38.3	11 39.6		33 39.6	29 43.7	4 23.6
Breast (174-179)	9 17.6	9 21.2					3 10.5	3 10.8		6 7.2	5 7.5	1 5.9
Female genital organs (179-184)	5 9.8	4 9.4	1 11.6				3 10.5	3 10.8		4 4.8	4 6.0	
Male genital organs (185-187)	6 11.7	4 9.4	2 23.3	3 40.4	3 41.2		6 20.9	6 21.6		10 12.0	8 12.0	2 11.8
Urinary organs (188-189)	2 3.9	2 4.7		1 13.5	1 13.7					5 6.0	5 7.5	
Other & unsp. sites (170-173, 190-199)	11 21.5	9 21.2	2 23.3	2 26.9	2 27.5		9 31.4	9 32.4		9 10.9	9 13.6	
Leukemia (204-206)	3 5.9	3 7.1		2 26.9	2 27.5		2 7.0	2 7.2		7 8.4	5 7.5	2 11.8
Other lymphatic & hematopoietic tissue (200-203)	4 7.8	4 9.4										
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 13.5	1 13.7		1 3.5	1 3.6		1 1.2	1 1.5	
Diabetes mellitus (250)	2 3.9	1 2.4	1 11.6	1 13.5	1 13.7		6 20.9	5 18.0	1	5 6.0	3 4.5	2 11.8
Nutritional deficiencies (260-269)										2 2.4	2 3.0	
Anemias (280-285)												
Meningitis (320-322)										1 1.2		1 5.9
Diseases of heart (390-398, 402, 404-429)	185 362.1	158 371.8	27 314.1	18 242.2	18 247.3		87 303.1	84 302.8	3	162 218.4	150 225.9	32 189.0
Rheumatic fever & rheumatic heart disease (390-398)	1 2.0	1 2.4					1 3.5	1 3.6		1 1.2	1 1.5	
Hypertensive heart disease (402)	7 13.7	6 14.1	1 11.6				4 13.9	4 14.4		2 2.4	1 1.5	1 5.9
Hypertensive heart & renal disease (404)	1 2.0	1 2.4										
Ischemic heart disease (410-414)	140 274.0	122 287.1	18 209.4	15 201.9	15 206.1		64 223.0	61 219.9	3	140 168.0	118 177.7	22 130.0
All other forms of heart disease (415-429)	38 70.5	28 65.9	8 93.1	3 40.4	3 41.2		18 62.7	18 64.9		39 46.8	30 45.2	9 53.2
Hypertension, with or without renal disease (401, 403)	1 2.0	1 2.4								1 1.2		1 5.9
Cerebrovascular disease (430-438)	66 129.2	50 117.6	16 186.2	6 80.7	6 82.4		25 87.1	24 86.5	1	49 58.8	36 54.2	13 76.8
Atherosclerosis (440)	7 13.7	6 14.1	1 11.6	1 13.5	1 13.7		2 7.0	2 7.2		3 3.6	2 3.0	1 5.9
Other diseases of arteries, arterioles & capillaries (441-448)	3 5.9	3 7.1								4 4.8	3 4.5	1 5.9
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	10 19.6	7 16.5	3 34.9	1 13.5	1 13.7		5 17.4	5 18.0		10 12.0	3 12.0	2 11.8
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)	1 2.0	1 2.4					1 3.5	1 3.6		3 3.6	2 3.0	1 5.9
Emphysema (492)	2 3.9	1 2.4	1 11.6				2 7.0	2 7.2		6 7.2	6 9.0	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	8 15.7	7 16.5	1 11.6	1 13.5	1 13.7		7 24.4	7 25.2		18 21.6	16 24.1	2 11.8
Ulcer of stomach & duodenum (531-533)	2 3.9	2 4.7					1 3.5	1 3.6		3 3.6	3 4.5	
Appendicitis (540-543)	1 2.0	1 2.4										
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	5 9.8	4 9.4	1 11.6	1 13.5	1 13.7					4 4.8	3 4.5	1 5.9
Cholelithiasis & other disorders of gallbladder (574-575)												
Acute glomerulonephritis & nephrotic syndrome (580-581)				1 13.5		1	2 7.0	2 7.2		1 1.2	1 1.5	
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)										1 1.2	1 1.5	
Infections of kidney (590)	3 5.9	2 4.7	1 11.6				1 3.5	1 3.6		9 10.8	5 7.5	4 23.6
Hyperplasia of prostate (600)							4 13.9	4 14.4		1 1.2	1 1.5	
Complications of pregnancy, childbirth & the puerperium (630-676)	3 5.9	2 4.7	1 11.6				3 10.5	3 10.8		5 6.0	4 6.0	1 5.9
Congenital anomalies (740-759)												
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 2.0	1 2.4					3 10.5	3 10.8		4 4.8	3 4.5	1 5.9
Other conditions originating in the perinatal period (760-766, 770-779)	3 5.9	3 7.1					2 7.0	1 3.6	1	11 13.2	8 12.0	3 17.7
Symptoms, signs & ill-defined conditions (780-799)	8 15.7	4 9.4	4 46.5				11 38.3	11 39.6		16 19.2	16 24.1	
All other diseases	21 41.1	20 47.1	1 11.6	4 53.8	3 41.2	1	16 55.7	16 57.7		31 37.2	20 30.1	11 68.0
Motor vehicle accidents (E810-E826)	7 13.7	6 14.1	1 11.6	4 53.8	4 55.0		8 27.9	8 28.8		19 22.8	15 22.6	4 23.6
All other accidents & adverse effects (E800-E807, E826-E849)	10 19.6	6 14.1	4 46.5	3 40.4	2 27.5	1	6 20.9	5 18.0	1	15 18.0	13 19.6	2 11.8
Suicide (E960-E969)	7 13.7	7 16.5		1 13.5	1 13.7		3 10.5	3 10.8		9 10.8	9 13.6	
Homicide & legal intervention (E960-E978)	6 11.7	6 14.1		1 13.5	1 13.7		2 7.0	2 7.2		6 7.2	3 4.5	3 17.7
All other external causes (E980-E999)							2 7.0	2 7.2				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	MOORE			MORGAN			OBION			OVERTON		
	All Races	White	Other Races	All Races	White	Other Races	All Races	White	Other Races	All Races	White	Other Races
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	55 12.2	54 12.6	1 4.6	254 15.3	254 15.5		456 13.9	395 13.4	61 19.1	249 14.2	248 14.2	1 12.2
ILLEGITIMATE BIRTHS	5 9.1	4 7.4	1	27 10.6	27 10.6		62 13.6	30 7.6	32 52.5	21 8.4	21 8.5	
LOW-WEIGHT BIRTHS (Less than 2500 grams)				16 6.3	16 6.3		29 6.4	21 5.3	8 13.1	11 4.4	11 4.4	
INFANT DEATHS (Under one year of age)				2 7.9	2 7.9		2 4.4	2 5.1		4 16.1	4 16.1	
Neonatal Deaths (Under 28 days of age)				2 7.9	2 7.9		2 4.4	2 5.1		2 8.0	2 8.1	
Under 7 days of age				2	2		2	2		2	2	
7-27 days of age												
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS				2 7.9	2 7.9		4 8.8	3 7.6	1 16.4			
INDUCED TERMINATIONS OF PREGNANCY	7 127.3	7 129.6		37 145.7	37 145.7		41 89.9	37 93.7	4 65.6	18 72.3	17 68.5	1
TOTAL DEATHS	38 8.0	35 8.2	1 4.6	134 8.1	133 8.1	1 5.7	358 10.9	315 10.6	43 13.4	188 10.6	184 10.5	2 24.4
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							1 3.1	1 3.4				
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)							2 6.1	2 6.8		1 5.7	1 5.7	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)							1 3.1	1 3.4				
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)										1 5.7	1 5.7	
Malignant neoplasms (140-208)	4 88.7	4		29 174.7	29 176.5		66 201.3	61 206.2	5	33 187.8	32 182.9	1
Lip, oral cavity & pharynx (140-149)				1 6.0	1 6.1		2 6.1	2 6.8		2 11.4	2 11.4	
Digestive organs & peritoneum (150-159)	1 22.2	1		6 36.1	6 36.5		24 73.2	23 77.7	1	4 22.8	4 22.9	
Respiratory & intrathoracic organs (160-165)	3 66.5	3		11 66.2	11 67.0		12 36.6	12 40.6		12 68.3	11 62.9	1
Breast (174-175)				1 6.0	1 6.1		4 12.2	4 13.5				
Female genital organs (179-184)				1 6.0	1 6.1		2 6.1	1 3.4	1	2 11.4	2 11.4	
Male genital organs (185-187)				1 6.0	1 6.1		4 12.2	3 10.1	1	1 5.7	1 5.7	
Urinary organs (188-189)				2 12.0	2 12.2		3 9.2	3 10.1				
Other & unsp. sites (170-173, 190-199)				6 36.1	6 36.5		9 27.5	7 23.7	2	7 39.8	7 40.0	
Leukemia (204-208)							3 9.2	3 10.1		4 22.8	4 22.9	
Other lymphatic & hematopoietic tissue (200-203)												
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)							3 9.2	3 10.1		1 5.7	1 5.7	
Diabetes mellitus (250)							1 3.1	1 3.4		6 34.1	6 34.3	
Nutritional deficiencies (260-269)												
Anemias (280-285)							1 3.1	1 3.4				
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	16 354.8	15	1	43 259.0	42 255.6	1	138 421.0	121 409.0	17	76 432.4	76 434.5	
Rheumatic fever & rheumatic heart disease (390-396)				1 6.0	1 6.1		3 9.2	2 6.8	1	1 5.7	1 5.7	
Hypertensive heart disease (402)	1 22.2	1		1 6.0	1 6.1		1 3.1			2 11.4	2 11.4	
Hypertensive heart & renal disease (404)							126 384.4	112 378.6	14	60 341.4	60 343.0	
Ischemic heart disease (410-414)	10 221.7	9	1	29 174.7	29 176.5		8 24.4	7 23.7	1	13 74.0	13 74.3	
All other forms of heart disease (415-429)	5 110.9	5		12 72.3	11 67.0	1						
Hypertension, with or without renal disease (401, 403)				1 6.0	1 6.1		3 9.2	3 10.1				
Cerebrovascular disease (430-438)	3 66.5	3		14 84.3	14 85.2		54 164.7	49 165.6	5	19 108.1	19 108.6	
Atherosclerosis (440)	1 22.2	1		1 6.0	1 6.1		14 42.7	10 33.8	4	3 17.1	3 17.1	
Other diseases of arteries, arterioles & capillaries (441-448)	1 22.2	1					4 12.2	4 13.5				
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	1 22.2	1		4 24.1	4 24.3		7 21.4	7 23.7		11 62.6	11 62.9	
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)												
Emphysema (492)	1 22.2	1					1 3.1	1 3.4		1 5.7	1 5.7	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	1 22.2	1		5 30.1	5 30.4		13 39.7	13 43.9		3 17.1	3 17.1	
Ulcer of stomach & duodenum (531-533)							1 3.1	1 3.4				
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)				1 6.0	1 6.1		1 3.1		1			
Chronic liver disease & cirrhosis (571)	1 22.2	1		2 12.0	2 12.2		4 12.2	3 10.1	1			
Cholelithiasis & other disorders of gallbladder (574-575)	1 22.2	1		1 6.0	1 6.1							
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1 3.1	1 3.4				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)												
Infections of kidney (590)				3 18.1	3 18.3		2 6.1	1 3.4	1	1 5.7	1 5.7	
Hyperplasia of prostate (600)	1 22.2	1					5 15.3	5 16.9				
							1 3.1	1 3.4				
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 22.2	1					2 6.1	2 6.8		1 5.7	1 5.7	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				1 6.0	1 6.1					1 5.7	1 5.7	
Other conditions originating in the perinatal period (760-766, 770-779)				1 6.0	1 6.1		1 3.1	1 3.4		1 5.7	1 5.7	
Symptoms, signs & ill-defined conditions (780-799)	2 44.3	2		3 18.1	3 18.3		2 6.1	2 6.8		3 17.1	3 17.1	
All other diseases	1 22.2	1		6 36.1	6 36.5		13 39.7	11 37.2	2	13 74.0	12 68.6	1
Motor vehicle accidents (E810-E825)				8 48.2	8 48.7		5 15.3	5 16.9		6 34.1	6 34.3	
All other accidents & adverse effects (E800-E807, E826-E849)	1 22.2	1		5 30.1	5 30.4		6 18.3	3 10.1	3	4 22.8	4 22.9	
Suicide (E950-E959)				1 6.0	1 6.1		4 12.2	3 10.1	1	1 5.7	1 5.7	
Homicide & legal intervention (E960-E978)				3 18.1	3 18.3		4 12.2	1 3.4	3			
All other external causes (E980-E999)				2 12.0	2 12.2					1 5.7	1 5.7	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	PERRY			PICKETT			POLK			PUTNAM		
	All Races 6,111 No. Rate	White 5,954 No. Rate	Other Races 157 No. Rate	All Races 4,358 No. Rate	White 4,340 No. Rate	Other Races 18 No. Rate	All Races 13,602 No. Rate	White 13,566 No. Rate	Other Races 36 No. Rate	All Races 47,690 No. Rate	White 46,359 No. Rate	Other Races 1,331 No. Rate
LIVE BIRTHS	92 15.1	88 14.8	4 25.5	73 16.8	73 16.8		186 13.7	186 13.7		585 12.3	570 12.3	15 11.3
ILLEGITIMATE BIRTHS	6 6.5	4 4.5	2	2 2.7	2 2.7		20 10.8	20 10.8		45 7.7	44 7.7	1 6.7
LOW-WEIGHT BIRTHS (Less than 2500 grams)	5 5.4	5 5.7		8 11.0	8 11.0		16 8.6	16 8.6		50 8.5	50 8.8	
INFANT DEATHS (Under one year of age)	2 21.7	2 22.7		1 13.7	1 13.7		2 10.8	2 10.8		7 12.0	7 12.3	
Neonatal Deaths (Under 28 days of age)	2 21.7	2 22.7					2 10.8	2 10.8		5 8.5	5 8.8	
Under 7 days of age	2	2					2	2		5	5	
7-27 days of age												
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 10.9	1 11.4					1 5.4	1 5.4		8 13.7	8 14.0	
INDUCED TERMINATIONS OF PREGNANCY	5 54.3	5 56.8		3 41.1	3 41.1		20 107.5	20 107.5		225 384.6	216 378.9	9 600.0
TOTAL DEATHS	78 12.8	78 13.1		37 8.5	37 8.5		131 9.6	131 9.7		395 8.3	391 8.4	4 3.0
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)												
Acute poliomyelitis (045)							2 14.7	2 14.7		1 2.1	1 2.2	
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 7.4	1 7.4		1 2.1	1 2.2	
Malignant neoplasms (140-208)	13 212.7	13 218.3		5 114.7	5		35 257.3	35 258.0		85 178.2	84 181.2	1
Lip, oral cavity & pharynx (140-149)	1 16.4	1 16.8					1 7.4	1 7.4		2 4.2	2 4.3	
Digestive organs & peritoneum (150-159)	3 49.1	3 50.4		4 91.8	4		8 58.8	8 59.0		18 37.7	18 38.8	
Respiratory & intrathoracic organs (160-165)	4 65.5	4 67.2					5 36.8	5 36.9		29 60.8	29 62.6	
Breast (174-175)	1 16.4	1 16.8					3 22.1	3 22.1		3 6.3	3 6.5	
Female genital organs (179-184)	1 16.4	1 16.8					1 7.4	1 7.4		7 14.7	7 15.1	
Male genital organs (185-187)	1 16.4	1 16.8		1 22.9	1		4 29.4	4 29.5		4 8.4	4 8.6	
Urinary organs (188-199)	1 16.4	1 16.8					8 58.8	8 59.0		5 10.5	5 10.8	
Other & unsp. sites (170-173, 190-199)	1 16.4	1 16.8					2 14.7	2 14.7		11 23.1	10 21.6	1
Leukemia (204-208)										2 4.2	2 4.3	
Other lymphatic & hematopoietic tissue (209-230)							3 22.1	3 22.1		4 8.4	4 8.6	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)												
Diabetes mellitus (250)	3 49.1	3 50.4		1 22.9	1		1 7.4	1 7.4		1 2.1	1 2.2	
Nutritional deficiencies (260-269)										1 2.1	1 2.2	
Anemias (280-285)												
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	27 441.8	27 453.5		14 321.2	14		42 308.8	42 309.6		135 283.1	133 286.9	2
Rheumatic fever & rheumatic heart disease (390-398)	1 16.4	1 16.8								3 6.3	3 6.5	
Hypertensive heart disease (402)							1 7.4	1 7.4		7 14.7	7 15.1	
Hypertensive heart & renal disease (404)	1 16.4	1 16.8								1 2.1	1 2.2	
Ischemic heart disease (410-414)	16 261.8	16 268.7		13 298.3	13		35 257.3	35 258.0		106 222.3	104 224.3	2
All other forms of heart disease (415-429)	9 147.3	9 151.2		1 22.9	1		6 44.1	6 44.2		18 37.7	18 38.8	
Hypertension, with or without renal disease (401, 403)	1 16.4	1 16.8										
Cerebrovascular disease (430-438)	4 65.5	4 67.2		5 114.7	5		20 147.0	20 147.4		55 115.3	54 116.5	1
Atherosclerosis (440)	3 49.1	3 50.4					1 7.4	1 7.4		8 16.8	8 17.3	
Other diseases of arteries, arterioles & capillaries (441-448)							2 14.7	2 14.7		4 8.4	4 8.6	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	4 65.5	4 67.2		1 22.9	1		4 29.4	4 29.5		9 18.9	9 19.4	
Influenza (487)	3 49.1	3 50.4								1 2.1	1 2.2	
Bronchitis, chronic & unsp. (490-491)										2 4.2	2 4.3	
Emphysema (492)	1 16.4	1 16.8					1 7.4	1 7.4		1 2.1	1 2.2	
Asthma (493)										1 2.1	1 2.2	
Other chronic obstructive pulmonary disease & allied conditions (494-496)				2 45.9	2		2 14.7	2 14.7		11 23.1	11 23.7	
Ulcer of stomach & duodenum (531-533)												
Appendicitis (540-543)										1 2.1	1 2.2	
Hernia & intestinal obstruction (550-563, 560)										1 2.1	1 2.2	
Chronic liver disease & cirrhosis (571)							1 7.4	1 7.4		4 8.4	4 8.6	
Cholelithiasis & other disorders of gallbladder (574-575)	1 16.4	1 16.8										
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)										1 2.1	1 2.2	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 589-589)	1 16.4	1 16.8								1 2.1	1 2.2	
Infections of kidney (590)	1 16.4	1 16.8										
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)							2 14.7	2 14.7		3 6.3	3 6.5	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)										3 6.3	3 6.5	
Other conditions originating in the perinatal period (760-766, 770-779)	2 32.7	2 33.6								2 4.2	2 4.3	
Symptoms, signs & ill-defined conditions (780-799)	4 65.5	4 67.2		1 22.9	1					6 16.8	6 17.3	
All other diseases	4 65.5	4 67.2		2 45.9	2		4 29.4	4 29.5		23 48.2	23 49.6	
Motor vehicle accidents (E810-E825)	3 49.1	3 50.4		3 68.8	3		5 36.8	5 36.9		15 31.5	15 32.4	
All other accidents & adverse effects (E800-E807, E826-E949)	1 16.4	1 16.8		3 68.8	3		5 36.8	5 36.9		8 16.8	8 17.3	
Suicide (E950-E959)	2 32.7	2 33.6					2 14.7	2 14.7		6 16.8	6 17.3	
Homicide & legal intervention (E960-E978)							1 7.4	1 7.4		2 4.2	2 4.3	
All other external causes (E980-E999)										1 2.1	1 2.2	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

	RHEA			ROANE			ROBERTSON			RUTHERFORD		
Estimated Population, July 1, 1980	All Races 94,235 No. Rate	White 25,485 No. Rate	Other Races 750 No. Rate	All Races 48,425 No. Rate	White 46,731 No. Rate	Other Races 1,694 No. Rate	All Races 37,021 No. Rate	White 31,970 No. Rate	Other Races 5,051 No. Rate	All Races 84,058 No. Rate	White 74,871 No. Rate	Other Races 9,387 No. Rate
LIVE BIRTHS	387 16.0	373 15.9	14 7.7	823 12.9	596 12.8	27 15.9	610 16.5	505 15.8	105 20.8	1,289 15.3	1,121 15.0	168 17.9
ILLEGITIMATE BIRTHS	57 14.7	50 13.4	7 50.0	81 13.0	63 10.6	18 66.7	112 18.4	48 9.5	64 61.0	176 13.7	90 8.0	86 51.2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	28 7.2	27 7.2	1 7.1	48 7.7	45 7.6	3 11.1	51 8.4	35 6.9	16 15.2	84 6.5	71 6.3	13 7.7
INFANT DEATHS (Under one year of age)	4 10.3	4 10.7		6 9.6	6 10.1		9 14.8	7 13.9	2 19.0	18 14.0	16 14.3	2 11.9
Neonatal Deaths (Under 28 days of age)	4 10.3	4 10.7		5 8.0	5 8.4		8 13.1	6 11.9	2 19.0	11 8.5	10 8.9	1 6.0
Under 7 days of age	4	4		3	3		7	6	1	11	10	1
7-27 days of age				2	2		1		1			
MATERNAL DEATHS (ICD codes 630-675)				1 16.1	1 16.9					1 7.8	1 8.9	
FETAL DEATHS	5 12.9	4 10.7	1 71.4	2 3.2	2 3.4		8 13.1	5 9.9	3 28.6	6 4.7	5 4.5	1 6.0
INDUCED TERMINATIONS OF PREGNANCY	54 139.5	50 134.0	4 285.7	176 282.5	161 270.1	15 555.6	99 162.3	78 154.5	20 190.5	406 315.0	342 305.1	60 357.1
TOTAL DEATHS	218 9.0	209 8.9	9 12.0	431 8.9	413 8.8	18 10.6	330 8.9	267 8.4	63 12.5	538 6.4	463 6.2	75 8.0
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	1 4.1	1 4.3		1 2.1	1 2.1		1 2.7	1 3.1				
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)							1 2.7	1 3.1				
Acute poliomyelitis (045)												
Viral encephalitis (048.5-049.9, 062-064)				2 4.1	2 4.3							
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)										1 1.2	1 1.3	
Malignant neoplasms (140-208)	40 165.1	38 161.8	2	95 196.2	90 192.6	5	79 213.4	65 203.3	14 277.2	129 153.5	103 137.9	26 277.0
Lip, oral cavity & pharynx (140-149)				1 2.1	1 2.1		2 5.4	2 6.3		6 7.1	6 8.0	
Digestive organs & peritoneum (150-159)	13 53.6	11 46.8	2	23 47.5	20 42.8	3	25 67.5	18 56.3	7 136.6	21 25.0	20 26.8	1 10.7
Respiratory & intrathoracic organs (160-165)	7 28.9	7 29.8		31 64.0	30 64.2	1	17 45.9	17 53.2		42 50.0	30 40.2	12 127.8
Breast (174-175)	2 8.3	2 8.5		5 10.3	5 10.7		9 24.3	7 21.9	2 39.6	7 8.3	6 8.0	1 10.7
Female genital organs (179-184)	3 12.4	3 12.8		8 16.5	8 17.1		3 8.1	1 3.1	2 39.6	10 11.9	7 9.4	3 32.0
Male genital organs (185-187)	2 8.3	2 8.5		6 12.4	6 12.8		7 18.9	5 15.6	2 39.6	10 11.9	7 9.4	3 32.0
Urinary organs (188-189)				2 4.1	2 4.3		1 2.7	1 3.1		5 5.9	2 2.7	3 32.0
Other & unsp. sites (170-173, 190-199)	8 33.0	8 34.1		10 20.7	10 21.4		10 27.0	10 31.3		21 25.0	19 25.4	2 21.3
Leukemia (204-206)	1 4.1	1 4.3		1 2.1	1 2.1		3 8.1	3 9.4		6 7.1	5 6.7	1 10.7
Other lymphatic & hematopoietic tissue (200-203)	4 16.5	4 17.0		8 16.5	7 15.0	1	2 5.4	1 3.1	1 19.8	1 1.2	1 1.3	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 2.1	1 2.1					1 1.2	1 1.3	
Diabetes mellitus (250)	4 16.5	4 17.0		9 18.6	9 19.3		7 18.9	5 15.6	2 39.6	4 4.8	4 5.4	
Nutritional deficiencies (260-269)	1 4.1	1 4.3		1 2.1	1 2.1		1 2.7	1 3.1				
Anemias (280-285)				1 2.1	1 2.1		2 5.4	1 3.1	1 19.8	2 2.4	1 1.3	1 10.7
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	84 346.6	80 340.6	4	146 301.5	139 297.4	7	106 291.7	86 269.0	22 435.6	149 177.3	137 183.5	12 127.8
Rheumatic fever & rheumatic heart disease (390-398)										2 2.4	2 2.7	
Hypertensive heart disease (402)	2 8.3	1 4.3	1	5 10.3	5 10.7		2 5.4		2 39.6	5 5.9	4 5.4	1 10.7
Hypertensive heart & renal disease (404)	1 4.1	1 4.3		1 2.1	1 2.1					1 1.2	1 1.3	
Ischemic heart disease (410-414)	67 276.5	65 276.8	2	109 225.1	103 220.4	6	87 235.0	71 222.1	16 316.8	122 145.1	115 154.0	7 74.6
All other forms of heart disease (415-429)	14 57.8	13 55.4	1	31 64.0	30 64.2	1	19 51.3	15 46.9	4 79.2	19 22.6	15 20.1	4 42.6
Hypertension, with or without renal disease (401, 403)	3 12.4	3 12.8								6 7.1	6 8.0	
Cerebrovascular disease (430-438)	24 99.0	21 89.4	3	53 109.4	51 109.1	2	31 83.7	26 81.3	5 98.0	62 73.8	57 76.3	5 53.3
Atherosclerosis (440)	5 20.6	5 21.3		7 14.5	7 15.0		12 32.4	10 31.3	2 39.6	4 4.8	3 4.0	1 10.7
Other diseases of arteries, arterioles & capillaries (441-448)	1 4.1	1 4.3		6 12.4	6 12.8		4 10.8	2 6.3	2 39.6	2 2.4	2 2.7	
Acute bronchitis & bronchiolitis (466)							1 2.7	1 3.1				
Pneumonia (480-486)	3 12.4	3 12.8		7 14.5	7 15.0		6 16.2	5 15.6	1 19.8	16 19.0	14 18.7	2 21.3
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)								3 9.4		1 1.2	1 1.3	
Emphysema (492)							1 2.7	1 3.1		7 8.3	7 9.4	
Asthma (493)				1 2.1	1 2.1							
Other chronic obstructive pulmonary disease & allied conditions (494-496)	9 37.1	9 38.3		12 24.8	12 25.7		3 8.1	3 9.4		9 10.7	8 10.7	1 10.7
Ulcer of stomach & duodenum (531-533)				1 2.1	1 2.1		2 5.4	1 3.1	1 19.8	1 1.2	1 1.3	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							1 2.7		1 19.8			
Chronic liver disease & cirrhosis (571)	1 4.1	1 4.3		1 2.1	1 2.1		4 10.8	3 9.4	1 19.8	11 13.1	8 10.7	3 32.0
Cholelithiasis & other disorders of gallbladder (574-575)				2 4.1	2 4.3		2 5.4	2 6.3		2 2.4	2 2.7	
Acute glomerulonephritis & nephritic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 4.1	1 4.3		1 2.1	1 2.1		1 2.7	1 3.1				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				4 8.3	3 6.4	1	2 5.4	1 3.1	1 19.8	4 4.8	2 2.7	2 21.3
Infections of kidney (590)	1 4.1	1 4.3					3 8.1	3 9.4		4 4.8	3 4.0	1 10.7
Hyperplasia of prostate (600)				1 2.1	1 2.1							
Complications of pregnancy, childbirth & the puerperium (630-676)				1 16.1	1 16.8					1 7.8	1 8.9	
Congenital anomalies (740-759)	1 4.1	1 4.3		6 12.4	6 12.8					6 7.1	4 5.4	2 21.3
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)	5 20.6	5 21.3					3 8.1	2 6.3	1 19.8	3 3.6	3 4.0	
Symptoms, signs & ill-defined conditions (780-799)				9 18.6	9 19.3		1 2.7	1 3.1		6 7.1	5 6.7	1 10.7
All other diseases	6 24.8	6 25.5		25 51.6	23 49.2	2	14 37.8	12 37.5	2 39.6	31 36.9	28 37.5	3 32.0
Motor vehicle accidents (E810-E825)	12 49.5	12 51.1		7 14.5	7 15.0		12 32.4	12 37.5		16 19.0	13 17.4	3 32.0
All other accidents & adverse effects (E800-E807, E826-E849)	8 33.0	8 34.1		18 37.2	17 36.4	1	10 27.0	8 25.0	2 39.6	32 38.1	25 33.5	7 74.6
Suicide (E960-E969)	2 8.3	2 8.5		6 12.4	6 12.8		4 10.8	3 9.4	1 19.8	10 11.9	7 9.4	3 32.0
Homicide & legal intervention (E970-E978)	4 16.5	4 17.0		2 4.1	2 4.3		6 16.2	3 9.4	3 59.4	12 14.3	10 13.4	2 21.3
All other external causes (E980-E999)	2 8.3	2 8.5		5 10.3	5 10.7							

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	SCOTT			SEQUITZ			SEYER			SHELBY		
	All Races 19,259 No. Rate	White 10,161 No. Rate	Other Races 96 No. Rate	All Races 8,606 No. Rate	White 8,548 No. Rate	Other Races 57 No. Rate	All Races 41,418 No. Rate	White 41,112 No. Rate	Other Races 306 No. Rate	All Races 777,113 No. Rate	White 445,458 No. Rate	Other Races 331,655 No. Rate
LIVE BIRTHS	329 17.1	328 17.1		130 13.9	119 13.9	1 17.5	575 13.9	568 13.8	7 22.9	14,212 18.3	6,334 14.2	7,875 23.7
ILLEGITIMATE BIRTHS	32 9.7	32 9.8		13 10.8	12 10.1	1	51 8.9	49 8.6	2	4,984 35.1	382 6.0	4,602 58.4
LOW-WEIGHT BIRTHS (Less than 2500 grams)	22 6.7	22 6.7		5 4.2	5 4.2		40 7.0	38 6.7	2	1,464 10.3	364 5.7	1,100 14.0
INFANT DEATHS (Under one year of age)	3 9.1	3 9.1		1 8.3	1 8.4		10 17.4	10 17.6		232 16.3	69 10.9	163 30.7
Neonatal Deaths (Under 28 days of age)	3 9.1	3 9.1					6 13.9	6 14.1		164 11.5	52 8.2	112 14.2
Under 7 days of age	3	3					6	6		133	39	94
7-27 days of age							2	2		31	13	18
MATERNAL DEATHS (ICD codes 630-676)										1 0.7		1 1.3
FETAL DEATHS	1 3.0	1 3.0		1 8.3	1 8.4		5 8.7	5 8.8		138 9.7	44 6.9	94 11.9
INDUCED TERMINATIONS OF PREGNANCY	33 100.3	33 100.6		11 91.7	11 92.4		174 302.6	173 302.8	2	5,538 389.0	2,911 459.6	2,613 331.8
TOTAL DEATHS	174 9.0	174 9.1		81 9.4	81 9.5		354 8.5	351 8.5	3 9.8	6,905 8.9	3,701 8.3	3,204 9.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				1 11.6	1 11.7					5 0.6	1 0.2	4 1.2
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)	1 5.2	1 5.2										
Meningococcal infection (036)												
Septicemia (038)							1 2.4	1 2.4		39 5.0	13 2.9	26 7.8
Acute poliomyelitis (045)												
Viral encephalitis (048.8-049.9, 052-054)										1 0.1	1 0.2	
Measles (055)												
Viral hepatitis (070)	1 5.2	1 5.2										
Rocky Mtn. spotted fever (082.0)										6 0.8	4 0.9	2 0.6
Syphilis (090-097)										1 0.1	1 0.2	
All other infectious & parasitic diseases (remainder of 001-139)							2 4.8	2 4.9		15 1.9	10 2.2	5 1.5
Malignant neoplasms (140-208)	29 150.6	29 151.3		6 69.7	6 70.2		66 159.4	65 158.1	1	1,468 108.9	828 185.9	640 193.0
Lip, oral cavity & pharynx (140-149)							1 2.4	1 2.4		23 3.0	14 3.1	9 2.7
Digestive organs & peritoneum (150-159)	5 26.0	5 26.1					19 45.9	19 46.2		379 48.8	212 47.6	167 50.4
Respiratory & intrathoracic organs (160-165)	13 67.5	13 67.8		4 46.5	4 46.8		20 48.3	20 48.6		384 49.4	239 53.7	145 43.7
Breast (174-175)							4 9.7	4 9.7		112 14.4	66 14.8	46 13.9
Female genital organs (176-184)	1 5.2	1 5.2					7 16.9	7 17.0		99 12.7	47 10.6	52 15.7
Male genital organs (185-187)	1 5.2	1 5.2		2 23.2	2 23.4		5 12.1	5 12.2		84 10.8	34 7.6	50 15.1
Urinary organs (188-189)	2 10.4	2 10.4					2 4.8	2 4.9		57 7.3	41 9.2	16 4.8
Other & unsp. sites (170-173, 190-199)	4 20.8	4 20.9					6 14.5	5 12.2	1	196 25.2	90 20.2	106 32.0
Leukemia (204-208)	2 10.4	2 10.4								65 8.4	43 9.7	22 6.6
Other lymphatic & hematopoietic tissues (200-203)	1 5.2	1 5.2					2 4.8	2 4.9		69 8.9	42 9.4	27 8.1
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 11.6	1 11.7					18 2.3	10 2.2	8 2.4
Diabetes mellitus (250)	4 20.8	4 20.9		1 11.6	1 11.7		5 12.1	5 12.2		85 10.9	42 9.4	43 13.0
Nutritional deficiencies (260-269)							1 2.4	1 2.4		2 0.3		2 0.6
Anemias (280-285)										13 1.7	5 1.1	8 2.4
Meningitis (320-322)										6 0.8	1 0.2	5 1.5
Diseases of heart (390-398, 402, 404-429)	68 353.1	68 354.9		36 418.4	36 421.2		124 299.4	124 301.6		2,464 317.1	1,363 303.7	1,111 335.0
Rheumatic fever & rheumatic heart disease (390-398)										17 2.2	14 3.1	3 0.9
Hypertensive heart disease (402)	3 15.6	3 15.7					3 7.2	3 7.3		134 17.2	44 9.9	90 27.1
Hypertensive heart & renal disease (404)										10 1.3	3 0.7	7 2.1
Ischemic heart disease (410-414)	54 280.4	54 281.8		29 337.0	29 339.3		109 263.2	109 265.1		1,874 176.8	978 219.5	396 119.4
All other forms of heart disease (415-429)	11 57.1	11 57.4		7 81.3	7 81.9		12 29.0	12 29.2		929 119.5	314 70.5	615 185.4
Hypertension, with or without renal disease (401, 403)	1 5.2	1 5.2					2 4.8	1 2.4	1	33 4.2	8 1.8	25 7.5
Cerebrovascular disease (430-438)	18 93.5	18 93.9		1 11.6	1 11.7		47 113.5	47 114.3		686 88.3	364 81.7	322 97.1
Atherosclerosis (440)	6 31.2	6 31.3		1 11.6	1 11.7		3 7.2	2 4.9	1	81 10.4	41 9.2	40 12.1
Other diseases of arteries, arterioles & capillaries (441-448)	3 15.6	3 15.7		1 11.6	1 11.7		2 4.8	2 4.9		47 6.0	31 7.0	16 4.8
Acute bronchitis & bronchiolitis (460)										2 0.3	2 0.4	
Pneumonia (480-486)	4 20.8	4 20.9		1 11.6	1 11.7		7 16.9	7 17.0		161 20.7	90 20.2	71 21.4
Influenza (487)										4 0.5	3 0.7	1 0.3
Bronchitis, chronic & unsp. (490-491)	1 5.2	1 5.2								6 0.8	5 1.1	1 0.3
Emphysema (492)	1 5.2	1 5.2		1 11.6	1 11.7		1 2.4	1 2.4		28 3.6	26 5.8	2 0.6
Asthma (493)	1 5.2	1 5.2					1 2.4	1 2.4		9 1.2	1 0.3	8 2.4
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 20.8	4 20.9		2 23.2	2 23.4		6 14.5	6 14.6		147 18.9	111 24.9	36 10.9
Ulcer of stomach & duodenum (531-533)				1 11.6	1 11.7					16 2.1	13 2.9	3 0.9
Appendicitis (540-543)										3 0.4	1 0.2	2 0.6
Hernia & intestinal obstruction (550-553, 560)							2 4.8	2 4.9		14 1.8	6 1.3	8 2.4
Chronic liver disease & cirrhosis (571)							7 16.9	7 17.0		83 10.7	52 11.7	31 9.3
Cholelithiasis & other disorders of gallbladder (574-575)	1 5.2	1 5.2										
Acute glomerulonephritis & nephrotic syndrome (580-581)										5 0.6	4 0.9	1 0.3
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1 2.4	1 2.4		1 0.1	1 0.2	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)										28 3.6	7 1.6	21 6.3
Infections of kidney (590)	1 5.2	1 5.2		1 11.6	1 11.7		1 2.4	1 2.4		50 6.4	20 4.5	30 9.0
Hyperplasia of prostate (600)				1 11.6	1 11.7		2 4.8	2 4.9		11 1.4	9 2.0	2 0.6
Complications of pregnancy, childbirth & the puerperium (630-676)										1 0.1		1 0.3
Congenital anomalies (740-759)							3 7.2	3 7.3		1 0.7		1 1.3
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)										66 8.5	28 6.3	38 11.5
Other conditions originating in the perinatal period (760-766, 770-779)	2 10.4	2 10.4		1 11.6	1 11.7		2 4.8	2 4.9		29 3.7	11 2.5	18 5.4
Symptoms, signs & ill-defined conditions (780-799)	1 5.2	1 5.2					4 9.7	4 9.7		91 11.7	28 5.8	65 19.6
All other diseases	10 51.9	10 52.2		4 46.5	4 46.8		1 2.4	1 2.4		60 7.7	27 6.1	33 10.0
Motor vehicle accidents (E810-E825)	4 20.8	4 20.9		3 34.9	3 35.1		21 50.7	21 51.1		433 55.7	229 51.4	204 61.5
All other accidents & adverse effects (E830-E807, E826-E849)	4 20.8	4 20.9					16 38.6	16 38.9		161 20.7	90 22.2	63 18.7
Suicide (E950-E959)	4 20.8	4 20.9		11 127.8	11 128.7		9 21.7	9 21.9		262 33.7	99 22.2	163 49.1
Homicide & legal intervention (E960-E978)	4 20.8	4 20.9		2 23.2	2 23.4		10 24.1	10 24.3		95 12.2	75 16.8	20 6.0
All other external causes (E980-E999)	4 20.8	4 20.9		5 58.1	5 58.5		5 12.1	5 12.2		161 20.7	38 8.5	123 37.1
							2 4.8	2 4.9		6 0.8	5 1.1	1 0.3

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin. Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	SMITH			STEWART			SULLIVAN			SUMNER		
	ALL RACES 14,935 No. Rate	WHITE 14,308 No. Rate	OTHER RACES 627 No. Rate	ALL RACES 8,665 No. Rate	WHITE 8,501 No. Rate	OTHER RACES 164 No. Rate	ALL RACES 143,968 No. Rate	WHITE 140,855 No. Rate	OTHER RACES 3,113 No. Rate	ALL RACES 65,790 No. Rate	WHITE 60,348 No. Rate	OTHER RACES 5,442 No. Rate
LIVE BIRTHS	198 13.3	193 13.5	5 8.0	93 10.7	93 10.9	.....	1,707 11.9	1,663 11.8	43 13.8	1,310 15.3	1,206 15.0	105 19.3
ILLEGITIMATE BIRTHS	13 6.6	11 5.7	2	4 4.3	4 4.3	.....	169 9.9	155 9.3	14 32.6	128 9.8	78 6.5	50 47.6
LOW-WEIGHT BIRTHS (Less than 2500 grams)	7 3.5	6 3.1	1	11 11.8	11 11.8	.....	134 7.9	130 7.8	4 9.3	89 6.8	74 6.1	15 14.3
INFANT DEATHS (Under one year of age)	.....	.....	.....	1 10.8	1 10.8	.....	22 12.9	21 12.6	1 23.3	9 6.9	7 5.8	2 19.0
Neonatal Deaths (Under 28 days of age)	.....	.....	.....	.....	.....	.....	15 8.8	14 8.4	1 23.3	4 3.1	4 3.3	.....
Under 7 days of age	.....	.....	.....	.....	.....	.....	13	12	1	4	4 .....	.....
Under 7-27 days of age	.....	.....	.....	.....	.....	.....	2	2 .....	.....	.....	.....	.....
MATERNAL DEATHS (ICD codes #30-878)	1 50.5	1 51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
FETAL DEATHS	6 30.3	6 31.1	.....	2 21.5	2 21.5	.....	19 11.1	19 11.4	.....	7 5.3	7 5.8	.....
INDUCED TERMINATIONS OF PREGNANCY	31 156.6	31 160.6	.....	15 161.3	14 150.5	1	401 234.9	382 229.7	13 302.3	280 198.5	233 193.4	24 228.6
TOTAL DEATHS	164 11.0	157 11.0	7 11.2	84 9.7	84 9.9	.....	1,111 7.7	1,080 7.7	30 9.6	530 6.2	482 6.0	48 8.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Certain other intestinal infections (007-009)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis, all forms (010-018)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Whooping cough (033)	.....	.....	.....	.....	.....	.....	4 2.8	3 2.1	1 .....	.....	.....	.....
Streptococcal sore throat, scarlatina & erysipelas (034-036)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meningococcal infection (038)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Septicemia (038)	.....	.....	.....	.....	.....	.....	6 4.2	6 4.3	.....	.....	.....	.....
Acute poliomyelitis (045)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral encephalitis (049.8-049.9, 062-064)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Measles (055)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral hepatitis (070)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mtn. spotted fever (082.0)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 1.2	1 1.2	.....
Syphilis (090-097)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
All other infectious & parasitic diseases (remainder of 001-139)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Malignant neoplasms (140-208)	54 227.7	32 223.7	2	20 230.8	20 235.3	.....	220 152.8	215 152.6	5	107 124.7	97 120.7	10 183.8
Lip, oral cavity & pharynx (140-149)	1 6.7	1 7.0	.....	.....	.....	.....	5 3.5	4 2.8	1	2 2.3	1 1.2	1 18.4
Digestive organs & peritoneum (150-159)	10 67.0	10 69.9	.....	8 92.3	8 94.1	.....	42 29.2	40 28.4	2	25 29.1	23 28.6	2 36.8
Respiratory & intrathoracic organs (160-169)	13 87.0	13 90.9	.....	4 46.2	4 47.1	.....	70 48.6	70 49.7	.....	34 39.6	29 36.1	5 91.9
Breast (174-178)	1 6.7	1 7.0	.....	1 11.5	1 11.8	.....	7 4.9	7 5.0	.....	7 8.2	7 8.7	.....
Female genital organs (180-184)	1 6.7	1 7.0	.....	1 11.5	1 11.8	.....	18 12.5	18 12.8	.....	7 8.2	6 7.5	1 18.4
Male genital organs (185-187)	3 20.1	2 14.0	1 .....	.....	.....	.....	10 6.9	10 7.1	.....	7 8.2	7 8.7	.....
Urinary organs (188-189)	1 6.7	1 7.0	.....	1 11.5	1 11.8	.....	9 6.3	9 6.4	.....	5 5.8	4 5.0	1 18.4
Other & unsp. sites (170-173, 190-199)	1 6.7	.....	.....	4 46.2	4 47.1	.....	35 24.3	35 24.8	.....	11 12.8	11 13.7	.....
Leukemia (204-208)	2 13.4	2 14.0	.....	.....	.....	.....	7 4.9	6 4.3	1	6 7.0	6 7.5	.....
Other lymphatic & hematopoietic tissue (200-203)	1 6.7	1 7.0	.....	1 11.5	1 11.8	.....	17 11.8	16 11.4	1	3 3.5	3 3.7	.....
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 6.7	1 7.0	.....	.....	.....	.....	4 2.8	4 2.8	.....	3 3.5	2 2.5	1 18.4
Diabetes mellitus (250)	2 13.4	2 14.0	.....	.....	.....	.....	12 8.3	10 7.1	2	3 3.5	2 2.5	1 18.4
Nutritional deficiencies (260-269)	.....	.....	.....	.....	.....	.....	3 2.1	3 2.1	.....	1 1.2	1 1.2	.....
Anemias (280-285)	1 6.7	1 7.0	.....	1 11.5	1 11.8	.....	4 2.8	3 2.1	1 .....	.....	.....	.....
Meningitis (320-322)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of heart (390-398, 402, 404-429)	66 441.9	63 440.3	3	33 380.8	33 388.2	.....	434 301.5	425 301.7	9	203 236.6	183 227.8	20 367.5
Rheumatic fever & rheumatic heart disease (390-398)	.....	.....	.....	.....	.....	.....	5 3.5	5 3.5	.....	.....	.....	.....
Hypertensive heart disease (402)	1 6.7	1 7.0	.....	.....	.....	.....	11 7.6	11 7.8	.....	4 4.7	4 5.0	.....
Hypertensive heart & renal disease (404)	1 6.7	1 7.0	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Ischemic heart disease (410-414)	55 368.3	52 363.4	3	25 288.5	25 294.1	.....	342 237.6	334 237.1	8	150 174.8	134 166.8	16 294.0
All other forms of heart disease (415-429)	9 60.3	9 62.9	.....	8 92.3	8 94.1	.....	75 52.1	74 52.5	1	49 57.1	45 56.0	4 73.5
Hypertension, with or without renal disease (401, 403)	.....	.....	.....	.....	.....	.....	6 4.2	6 4.3	.....	2 2.3	2 2.5	.....
Cerebrovascular disease (430-438)	19 127.2	19 132.8	.....	7 80.8	7 82.3	.....	97 67.4	94 66.7	3	55 64.1	47 58.5	8 147.0
Atherosclerosis (440)	4 26.8	3 21.0	1	1 11.5	1 11.8	.....	11 7.6	11 7.8	.....	9 10.5	9 11.2	.....
Other diseases of arteries, arterioles & capillaries (441-448)	1 6.7	1 7.0	.....	.....	.....	.....	13 9.0	12 8.5	1	6 7.0	6 7.5	.....
Acute bronchitis & bronchiolitis (466)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Pneumonia (480-486)	4 26.8	4 28.0	.....	3 34.6	3 35.3	.....	32 22.2	31 22.0	1	22 25.6	21 26.1	1 18.1
Influenza (487)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 1.2	1 1.2	.....
Bronchitis, chronic & unsp. (490-491)	.....	.....	.....	.....	.....	.....	4 2.8	4 2.8	.....	4 4.7	4 5.0	.....
Emphysema (492)	3 20.1	3 21.0	.....	.....	.....	.....	10 6.9	10 7.1	.....	.....	.....	.....
Asthma (493)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 26.8	4 28.0	.....	1 11.5	1 11.8	.....	29 20.1	29 20.6	.....	10 11.7	10 12.4	.....
Ulcer of stomach & duodenum (531-533)	.....	.....	.....	.....	.....	.....	5 3.5	5 3.5	.....	2 2.3	2 2.5	.....
Appendicitis (540-543)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hernia & intestinal obstruction (550-553, 560)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic liver disease & cirrhosis (571)	4 26.8	4 28.0	.....	1 11.5	1 11.8	.....	2 1.4	2 1.4	.....	.....	.....	.....
Cholelithiasis & other disorders of gallbladder (574-575)	1 6.7	1 7.0	.....	.....	.....	.....	9 6.3	9 6.4	.....	8 9.3	7 8.7	1 18.4
Acute glomerulonephritis & nephrotic syndrome (580-581)	.....	.....	.....	.....	.....	.....	5 3.5	5 3.5	.....	.....	.....	.....
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	.....	.....	.....	.....	.....	.....	1 0.7	1 0.7	.....	.....	.....	.....
Infections of kidney (590)	.....	.....	.....	.....	.....	.....	8 5.6	8 5.7	.....	3 3.5	3 3.7	.....
Hyperplasia of prostate (600)	.....	.....	.....	.....	.....	.....	2 1.4	2 1.4	.....	.....	.....	.....
Complications of pregnancy, childbirth & the puerperium (630-676)	1 50.5	1 51.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congenital anomalies (740-759)	.....	.....	.....	.....	.....	.....	9 6.3	9 6.4	.....	4 4.7	4 5.0	.....
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	.....	.....	.....	.....	.....	.....	7 4.9	7 5.0	.....	1 1.2	1 1.2	.....
Other conditions originating in the perinatal period (760-766, 770-779)	.....	.....	.....	.....	.....	.....	4 2.8	3 2.1	1	1 1.2	1 1.2	.....
Symptoms, signs & ill-defined conditions (780-799)	.....	.....	.....	.....	.....	.....	2 1.4	2 1.4	.....	3 3.6	3 3.7	.....
All other diseases	8 53.6	7 48.9	1	5 57.7	5 58.8	.....	77 53.5	72 51.1	5	31 36.1	27 33.6	4 73.5
Motor vehicle accidents (E810-E825)	5 33.5	5 34.9	.....	2 23.1	2 23.5	.....	32 22.2	32 22.7	.....	17 19.8	17 21.2	.....
All other accidents & adverse effects (E800-E807, E826-E849)	4 26.8	4 28.0	.....	2 23.1	2 23.5	.....	29 20.1	28 19.9	.....	16 18.7	15 18.7	1 18.4
Suicide (E950-E959)	1 6.7	1 7.0	.....	1 11.5	1 11.8	.....	15 10.4	15 9.9	1	13 15.2	13 16.2	.....
Homicide & legal intervention (E960-E978)	.....	.....	.....	2 23.1	2 23.5	.....	6 4.2	6 4.3	.....	4 4.7	3 3.7	1 18.4
All other external causes (E980-E999)	1 6.7	1 7.0	.....	1 11.5	1 11.8	.....	2 1.4	2 1.4	.....	.....	.....	.....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
 Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	Tipton			Trousdale			Union			Union		
	ALL RACES 32,930 No. Rate	WHITE 24,021 No. Rate	OTHER RACES 8,909 No. Rate	ALL RACES 6,137 No. Rate	WHITE 5,227 No. Rate	OTHER RACES 910 No. Rate	ALL RACES 16,362 No. Rate	WHITE 16,300 No. Rate	OTHER RACES 62 No. Rate	ALL RACES 11,707 No. Rate	WHITE 11,681 No. Rate	OTHER RACES 26 No. Rate
LIVE BIRTHS	551 16.7	343 14.3	208 23.3	98 16.0	86 16.5	12 13.2	193 11.8	193 11.8		201 17.2	201 17.2	
ILLEGITIMATE BIRTHS	142 25.8	24 7.0	118 68.7	7 7.1	2 2.3	5 41.7	20 10.4	20 10.4		20 10.0	20 10.0	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	54 9.8	27 7.9	27 13.0	4 4.1	3 3.5	1 8.3	13 6.7	13 6.7		9 4.5	9 4.5	
INFANT DEATHS (Under one year of age)	7 12.7	4 11.7	3 14.4				2 10.4	2 10.4		2 10.0	2 10.0	
Neonatal Deaths (Under 28 days of age)	5 9.1	3 8.7	2 9.6				2 10.4	2 10.4		1 5.0	1 5.0	
Under 7 days of age	4	3	1				2	2		1	1	
7-27 days of age	1		1									
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	4 7.3	2 5.8	2 9.6	1 10.2	1 11.6					2 10.0	2 10.0	
INDUCED TERMINATIONS OF PREGNANCY	89 161.5	61 177.8	28 134.6	10 102.0	9 104.7	1 83.3	18 93.3	18 93.3		19 94.5	17 84.6	2
TOTAL DEATHS	252 7.7	177 7.4	75 8.4	62 10.1	54 10.3	8 8.8	159 9.7	157 9.6		93 7.9	93 8.0	
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)							1 6.1	1 6.1				
Septicemia (038)												
Acute poliomyelitis (045)												
Viral encephalitis (048-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (080-087)												
All other infectious & parasitic diseases (remainder of 001-139)												
Malignant neoplasms (140-208)	62 188.3	43 179.0	19 213.3	14 228.1	13 248.7	1	32 195.6	32 195.3		16 136.7	16 137.0	
Lip, oral cavity & pharynx (140-149)	1 3.0	1 4.2								1 8.5	1 8.6	
Digestive organs & peritoneum (150-159)	16 48.6	12 50.0	4 44.9	2 32.6	2 38.3		10 61.1	10 61.3		3 25.6	3 25.7	
Respiratory & intrathoracic organs (160-185)	17 51.6	14 58.3	3 33.7	4 65.2	4 76.5		8 48.9	8 49.1		3 25.6	3 25.7	
Breast (174-175)	6 18.2	5 20.8	1 11.2	1 16.3	1 19.1		2 12.2	2 12.3				
Female genital organs (179-184)	3 9.1		3 33.7	1 16.3	1 19.1		2 12.2	2 12.3		1 8.5	1 8.6	
Male genital organs (185-187)	2 6.1	1 4.2	1 11.2	1 16.3	1 19.1		2 12.2	2 12.3		3 25.6	3 25.7	
Urinary organs (188-189)	3 9.1	1 4.2	2 22.4				3 18.3	3 18.4				
Other & unsp. sites (170-173, 180-199)	8 24.3	5 20.8	3 33.7	3 48.9	3 57.4		3 18.3	3 18.4		4 34.2	4 34.2	
Leukemia (204-208)	3 9.1	3 12.5		1 16.3		1				1 8.5	1 8.6	
Other lymphatic & hematopoietic tissue (200-203)	3 9.1	1 4.2	2 22.4	1 16.3	1 19.1		2 12.2	2 12.3				
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	2 6.1		2 22.4									
Diabetes mellitus (250)	2 6.1	1 4.2	1 11.2				2 12.2	2 12.3		2 17.1	2 17.1	
Nutritional deficiencies (260-289)												
Anemias (280-285)												
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	97 294.6	64 266.4	33 370.4	21 342.2	17 325.2	4	66 403.4	64 392.6		29 247.7	29 248.3	
Rheumatic fever & rheumatic heart disease (390-398)							1 6.1	1 6.1				
Hypertensive heart disease (402)	2 6.1		2 22.4	1 16.3		1	2 12.2	2 12.3		1 8.5	1 8.6	
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	75 227.8	52 216.5	23 258.2	17 277.0	14 267.8	3	52 317.8	50 306.7		20 170.8	20 171.2	
All other forms of heart disease (415-429)	20 60.7	12 50.0	8 89.8	3 48.9	3 57.4		11 67.2	11 67.5		8 68.3	8 68.5	
Hypertension, with or without renal disease (401, 403)	2 6.1	1 4.2	1 11.2									
Cerebrovascular disease (430-438)	23 69.8	16 66.6	7 78.6	6 97.8	6 114.8		15 91.7	15 92.0		11 94.0	11 94.2	
Atherosclerosis (440)	2 6.1	2 8.3		3 48.9	3 57.4		1 6.1	1 6.1		4 34.2	4 34.2	
Other diseases of arteries, arterioles & capillaries (441-448)	5 15.2	4 16.7	1 11.2	1 16.3	1 19.1		1 6.1	1 6.1				
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	5 15.2	4 16.7	1 11.2	1 16.3		1	4 24.4	4 24.5		2 17.1	2 17.1	
Influenza (487)							1 6.1	1 6.1				
Bronchitis, chronic & unsp. (490-491)							2 12.2	2 12.3				
Emphysema (492)	1 3.0	1 4.2					2 12.2	2 12.3		1 8.5	1 8.6	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	6 18.2	6 25.0					2 12.2	2 12.3		2 17.1	2 17.1	
Ulcer of stomach & duodenum (531-533)												
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-555, 560)	1 3.0	1 4.2										
Chronic liver disease & cirrhosis (571)	3 9.1	2 8.3	1 11.2	1 16.3	1 19.1		6 36.7	6 36.8				
Cholelithiasis & other disorders of gallbladder (574-575)												
Acute glomerulonephritis & nephrotic syndrome (580-581)	7 21.3	6 25.0	1 11.2	4 65.2	3 57.4	1	4 24.4	4 24.5				
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)												
Infections of kidney (590)	1 3.0		1 11.2							1 8.5	1 8.6	
Hyperplasia of prostate (600)										1 8.5	1 8.6	
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	2 6.1		2 22.4									
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 3.0	1 4.2					1 6.1	1 6.1				
Other conditions originating in the perinatal period (760-766, 770-779)	4 12.1	2 8.3	2 22.4				1 6.1	1 6.1		1 8.5	1 8.6	
Symptoms, signs & ill-defined conditions (780-799)	3 9.1	3 12.5								2 17.1	2 17.1	
All other diseases	13 39.5	12 50.0	1 11.2	3 48.9	2 38.3	1	6 36.7	6 36.8		4 34.2	4 34.2	
Motor vehicle accidents (E810-E825)	7 21.3	6 25.0	1 11.2	4 65.2	3 57.4	1	4 24.4	4 24.5		4 34.2	4 34.2	
All other accidents & adverse effects (E800-E807, E826-E849)	6 18.2	4 16.7	2 22.4	6 97.8	6 114.8		9 55.0	9 55.2		8 68.3	8 68.5	
Suicide (E960-E969)	3 9.1	3 12.5		1 16.3	1 19.1		1 6.1	1 6.1		4 34.2	4 34.2	
Homicide & legal intervention (E970-E978)				1 16.3	1 19.1		1 6.1	1 6.1				
All other external causes (E980-E999)	1 3.0	1 4.2					1 6.1	1 6.1		1 8.5	1 8.6	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	VAN BUREN			WARREN			WASHINGTON			WAYNE		
	ALL RACES 4,728 No. Rate	WHITE 4,714 No. Rate	OTHER RACES 14 No. Rate	ALL RACES 32,653 No. Rate	WHITE 31,351 No. Rate	OTHER RACES 1,302 No. Rate	ALL RACES 88,755 No. Rate	WHITE 85,269 No. Rate	OTHER RACES 3,486 No. Rate	ALL RACES 13,946 No. Rate	WHITE 13,760 No. Rate	OTHER RACES 186 No. Rate
LIVE BIRTHS	71 15.0	71 15.1		482 14.8	459 14.6	23 17.7	1,079 12.2	1,024 12.0	55 15.8	206 14.8	202 14.7	4 21.5
ILLEGITIMATE BIRTHS	4 5.6	4 5.6		41 8.5	31 6.8	10 43.5	119 11.0	94 9.2	25 45.5	24 11.7	20 9.9	4
LOW-WEIGHT BIRTHS (Less than 2500 grams)	3 4.2	3 4.2		40 8.3	38 8.3	2 8.7	72 6.7	65 6.3	7 12.7	9 4.4	8 4.0	1
INFANT DEATHS (Under one year of age)	1 14.1	1 14.1		4 8.3	4 8.7		16 14.8	15 14.6	1 18.2	5 24.3	5 24.8	
Neonatal Deaths (Under 28 days of age)	1 14.1	1 14.1		3 6.2	3 6.5		11 10.2	10 9.8	1 18.2	2 9.7	2 9.9	
Under 7 days of age	1	1		2	2		11	10	1			
7-27 days of age				1	1					2	2	
MATERNAL DEATHS (ICD codes 630-676)							1 9.3	1 9.8				
FETAL DEATHS							15 13.9	15 14.6				
INDUCED TERMINATIONS OF PREGNANCY	6 84.5	6 84.5		92 190.9	80 174.3	11 478.3	290 268.8	275 268.6	10 151.8	19 92.2	18 89.1	1
TOTAL DEATHS	43 9.1	43 9.1		296 9.1	280 8.9	18 13.8	815 9.2	790 9.3	25 7.2	143 10.3	140 10.2	3 16.1
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)							1 1.1	1 1.2				
Certain other intestinal infections (007-009)							1 1.1	1 1.2				
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)							1 1.1	1 1.2		1 7.2	1 7.3	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)												
Malignant neoplasms (140-208)	11 232.7	11		66 202.1	63 201.0	3	183 206.2	174 204.1	9	25 179.3	25 181.7	
Lip, oral cavity & pharynx (140-149)							3 3.4	2 2.3	1			
Digestive organs & peritoneum (150-159)	3 63.5	3		11 33.7	11 35.1		44 49.6	42 49.3	2	5 35.9	5 36.3	
Respiratory & intrathoracic organs (160-165)	2 42.3	2		22 67.4	21 67.0	1	47 53.0	46 53.9	1	6 43.0	6 43.6	
Breast (174-175)	1 21.2	1		2 6.1	2 6.4		14 15.8	13 15.2	1			
Female genital organs (179-184)	1 21.2	1		4 12.3	4 12.8		15 16.9	14 16.4	1	2 14.3	2 14.5	
Male genital organs (185-187)	2 42.3	2		6 18.4	5 15.9	1	10 11.3	8 9.4	2			
Urinary organs (188-189)				3 9.2	3 9.6		7 7.9	7 8.2		4 28.7	4 29.1	
Other & unsp. sites (170-173, 190-199)				11 33.7	10 31.9	1	22 24.8	22 25.8		6 43.0	6 43.6	
Leukemia (204-208)	2 42.3	2		1 3.1	1 3.2		7 7.9	7 8.2				
Other lymphatic & hematopoietic tissue (200-203)				6 18.4	6 19.1		14 15.8	13 15.2	1	2 14.3	2 14.5	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 21.2	1		1 3.1		1				1 7.2	1 7.3	
Diabetes mellitus (250)				2 6.1	1 3.2	1	5 5.6	5 5.9				
Nutritional deficiencies (260-269)							1 1.1	1 1.2				
Anemias (280-285)							1 1.1	1 1.2				
Meningitis (320-322)							1 1.1	1 1.2				
Diseases of heart (390-398, 402, 404-429)	19 401.9	19		122 373.6	116 370.0	6	292 329.0	284 333.1	8	84 458.9	63 457.8	1
Rheumatic fever & rheumatic heart disease (390-398)				1 3.1	1 3.2		1 1.1	1 1.2		1 7.2	1 7.3	
Hypertensive heart disease (402)				1 3.1	1 3.2		11 12.4	10 11.7	1			
Hypertensive heart & renal disease (404)				1 3.1	1 3.2		1 1.1	1 1.2		1 7.2	1 7.3	
Ischemic heart disease (410-414)	13 275.0	13		78 238.9	74 236.0	4	193 217.5	190 222.8	3	38 272.5	38 276.2	
All other forms of heart disease (415-429)	6 126.9	6		41 125.6	39 124.4	2	86 96.9	82 96.2	4	24 172.1	23 167.2	1
Hypertension, with or without renal disease (401, 403)							1 1.1	1 1.2				
Cerebrovascular disease (430-438)	1 21.2	1		24 73.5	22 70.2	2	93 104.8	92 107.9	1	7 50.2	6 43.6	1
Atherosclerosis (440)				4 12.3	4 12.8		7 7.9	7 8.2		12 86.0	11 79.9	1
Other diseases of arteries, arterioles & capillaries (441-448)				5 15.3	5 15.9		14 15.8	14 16.4				
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)				7 21.4	7 22.3		23 25.9	23 27.0		3 21.5	3 21.8	
Influenza (487)				2 6.1	2 6.4		2 2.3	2 2.3				
Bronchitis, chronic & unsp. (490-491)							4 4.5	4 4.7				
Emphysema (492)				4 12.3	4 12.8		5 5.6	4 4.7	1			
Asthma (493)							2 2.3	2 2.3		1 7.2	1 7.3	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	1 21.2	1		5 15.3	5 15.9		9 10.1	9 10.6		4 28.7	4 29.1	
Ulcer of stomach & duodenum (531-533)				1 3.1	1 3.2		2 2.3	2 2.3				
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)										1 7.2	1 7.3	
Chronic liver disease & cirrhosis (571)				2 6.1	2 6.4		12 13.5	12 14.1		1 7.2	1 7.3	
Cholelithiasis & other disorders of gallbladder (574-575)				2 6.1	2 6.4							
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1 1.1	1 1.2				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				1 3.1	1 3.2		3 3.4	3 3.5				
Infections of kidney (590)	1 21.2	1		1 3.1	1 3.2					1 7.2	1 7.3	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)	1 21.2	1		1 3.1	1 3.2		1 9.3	1 9.8		1 7.2	1 7.3	
Congenital anomalies (740-759)							6 6.8	5 5.9	1			
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				1 3.1	1 3.2		2 2.3	2 2.3		2 14.3	2 14.5	
Other conditions originating in the perinatal period (760-766, 770-779)				2 6.1	2 6.4		9 10.1	8 9.4	1			
Symptoms, signs & ill-defined conditions (780-799)	1 21.2	1		6 18.4	5 15.9	1	29 32.7	28 32.8	1	2 14.3	2 14.5	
All other diseases	1 21.2	1		14 42.9	12 38.3	2	43 48.4	42 49.3	1	6 43.0	6 43.6	
Motor vehicle accidents (E810-E825)	4 84.6	4		13 39.8	13 41.5		23 25.9	23 27.0		5 35.9	5 36.3	
All other accidents & adverse effects (E800-E807, E820-E949)				3 9.2	3 9.6		17 19.2	17 19.9		5 35.9	5 36.3	
Suicide (E960-E969)	1 21.2	1		7 21.4	7 22.3		12 13.5	11 12.9	1			
Homicide & legal intervention (E970-E975)				2 6.1		2	6 6.8	5 5.9	1			
All other external causes (E980-E999)	1 21.2	1					3 3.4	3 3.5		1 7.2	1 7.3	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	WEAVER			WHITE			WILLIAMSON			WILSON		
	All Races 32,896 No. Rate	WHITE 30,485 No. Rate	OTHER RACES 2,411 No. Rate	All Races 19,567 No. Rate	WHITE 19,067 No. Rate	OTHER RACES 470 No. Rate	All Races 58,108 No. Rate	WHITE 52,657 No. Rate	OTHER RACES 5,451 No. Rate	All Races 56,064 No. Rate	WHITE 50,934 No. Rate	OTHER RACES 5,130 No. Rate
LIVE BIRTHS	399 12.1	365 12.0	34 14.1	278 14.2	275 14.4	3 6.4	812 14.0	694 13.2	118 21.6	868 15.5	780 15.3	88 17.2
ILLEGITIMATE BIRTHS	45 11.3	25 6.8	20 58.8	36 12.9	35 12.7	1	118 14.5	47 6.8	71 60.2	96 11.1	49 6.3	47 53.4
LOW-WEIGHT BIRTHS (Less than 2500 grams)	24 6.0	21 5.8	3 8.8	21 7.6	21 7.6		59 7.3	47 6.8	12 10.2	62 7.1	54 6.9	8 9.1
INFANT DEATHS (Under one year of age)	5 12.5	5 13.7		3 10.8	3 10.9		10 12.3	8 11.5	2 16.9	16 18.4	12 15.4	4 45.5
Neonatal Deaths (Under 28 days of age)	3 7.5	3 8.2		2 7.2	2 7.3		5 6.2	5 7.2		10 11.5	8 10.3	2 22.7
Under 7 days of age	2	2		1	1		4	4		8	8	
7-27 days of age	1	1		1	1		1	1		2		2
MATERNAL DEATHS (ICD codes 630-675)												
FETAL DEATHS	2 5.0	2 5.5		2 7.2	2 7.3		7 8.6	6 8.6	1 8.5	4 4.6	3 3.8	1 11.4
INDUCED TERMINATIONS OF PREGNANCY	94 235.6	83 227.4	11 323.5	45 161.9	40 145.5	5	159 195.8	138 196.8	20 169.5	167 192.4	139 178.2	28 318.2
TOTAL DEATHS	360 10.9	339 11.1	21 8.7	190 9.7	186 9.8	2 4.3	358 6.2	318 6.0	40 7.3	417 7.4	369 7.2	45 9.4
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							2 3.4	2 3.8		1 1.8	1 2.0	
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-036)												
Meningococcal infection (036)												
Septicemia (038)	2 6.1	2 6.6					4 6.9	4 7.6		3 5.4	2 3.9	1 19.5
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 052-064)												
Mosquito (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)										1 1.8		1 19.5
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	1 3.0	1 3.3								2 3.6	2 3.9	
Malignant neoplasms (140-208)	68 206.7	65 213.2	3	51 260.6	50 261.8	1	81 139.4	70 132.9	11 201.8	91 162.3	82 161.0	9 175.4
Lip, oral cavity & pharynx (140-149)	1 3.0	1 3.3		2 10.2	2 10.5		1 1.7	1 1.9		1 1.8	1 2.0	
Digestive organs & peritoneum (150-159)	17 51.7	17 55.8		6 30.7	6 31.4		22 37.9	18 34.3	4 73.4	17 30.3	15 29.4	2 39.0
Respiratory & intrathoracic organs (160-165)	12 36.5	12 39.4		8 40.9	9 41.9		25 43.0	20 38.0	5 91.7	24 42.8	21 41.2	3 58.5
Breast (174-175)	4 12.2	3 9.8	1	4 20.4	4 20.9		7 12.0	7 13.3		8 14.3	7 13.7	1 19.5
Female genital organs (179-184)	2 6.1	2 6.6		4 20.4	4 20.9		2 3.4	2 3.8		5 8.9	5 9.8	
Male genital organs (185-187)	7 21.3	6 19.7	1	5 25.6	4 20.9	1	3 5.2	3 5.7		3 5.4	3 5.9	
Urinary organs (188-189)	3 9.1	3 9.8		4 20.4	4 20.9		2 3.4	2 3.8		7 12.5	5 9.8	2 39.0
Other & unsp. sites (170-173, 190-199)	14 42.6	13 42.6	1	13 66.4	13 68.1		11 18.9	9 17.1	2 36.7	20 35.7	19 37.3	1 19.5
Leukemia (204-208)	4 12.2	4 13.1		1 5.1	1 5.2		1 1.7	1 1.9		4 7.1	4 7.9	
Other lymphatic & hematopoietic tissue (200-203)	4 12.2	4 13.1		4 20.4	4 20.9		7 12.0	7 13.3		2 3.6	2 3.9	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)							1 1.7	1 1.9		1 1.8	1 2.0	
Diabetes mellitus (250)	4 12.2	3 9.8	1	2 10.2	2 10.5		3 5.2	2 3.8	1 18.3	3 5.4	3 5.9	
Nutritional deficiencies (260-269)	2 6.1	2 6.6		1 5.1	1 5.2		1 1.7		1 18.3	2 3.6	2 3.9	
Anemias (280-285)										1 1.8	1 2.0	
Meningitis (320-322)										2 3.6	2 3.9	
Diseases of heart (390-398, 402, 404-429)	143 434.7	135 442.8	8	61 311.7	61 319.4		139 239.2	127 241.2	12 220.1	143 255.1	126 247.4	17 331.4
Rheumatic fever & rheumatic heart disease (390-396)	1 3.0	1 3.3					3 5.2	3 5.7		2 3.6	1 2.0	1 19.5
Hypertensive heart disease (402)	4 12.2	3 9.8	1				2 3.4	2 3.8		3 5.4	1 2.0	2 39.0
Hypertensive heart & renal disease (404)				2 10.2	2 10.5		1 1.7		1 18.3			
Ischemic heart disease (410-414)	130 395.2	125 410.0	5	47 240.2	47 245.1		118 203.1	109 207.0	9 165.1	106 189.1	99 194.4	7 136.5
All other forms of heart disease (415-429)	8 24.3	6 19.7	2	12 61.3	12 62.8		15 25.8	13 24.7	2 36.7	32 57.1	25 49.1	7 136.5
Hypertension, with or without renal disease (401, 403)	2 6.1	2 6.6		1 5.1	1 5.2					1 1.8	1 2.0	
Cerebrovascular disease (430-438)	38 115.5	33 108.2	5	25 127.8	25 130.9		28 48.2	23 43.7	5 91.7	48 85.6	45 88.3	3 58.5
Atherosclerosis (440)	23 69.9	22 72.2	1	5 25.6	5 26.2		3 5.2	3 5.7		5 8.9	4 7.9	1 19.5
Other diseases of arteries, arterioles & capillaries (441-448)	3 9.1	3 9.8		3 15.3	3 15.7		2 3.4	2 3.8		2 3.6	1 2.0	1 19.5
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	5 15.2	5 16.4		2 10.2	2 10.5		3 5.2	3 5.7		7 12.5	5 9.8	2 39.0
Influenza (487)										1 1.8		1 19.5
Bronchitis, chronic & unsp. (490-491)	1 3.0	1 3.3		1 5.1	1 5.2					1 1.8	1 2.0	
Emphysema (492)	1 3.0	1 3.3		1 5.1	1 5.2		1 1.7	1 1.9		3 5.4	3 5.9	
Asthma (493)							1 1.7	1 1.9				
Other chronic obstructive pulmonary disease & allied conditions (494-496)	11 33.4	11 36.1		2 10.2	2 10.5		7 12.0	7 13.3		7 12.5	7 13.7	
Ulcer of stomach & duodenum (531-533)				1 5.1		1	2 3.4	2 3.8		1 1.8	1 2.0	
Appendicitis (540-543)	1 3.0	1 3.3					1 1.7	1 1.9				
Hernia & intestinal obstruction (550-553, 560)							2 3.4	2 3.8		2 3.6	2 3.9	
Chronic liver disease & cirrhosis (571)	2 6.1	2 6.6		1 5.1	1 5.2		4 8.9	4 7.6		8 14.3	8 15.7	
Cholelithiasis & other disorders of gallbladder (574-578)	1 3.0	1 3.3		1 5.1	1 5.2							
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				2 10.2	2 10.5		1 1.7	1 1.9		1 1.8	1 2.0	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				1 5.1	1 5.2		4 6.9	2 3.8	2 36.7	4 7.1	2 3.9	2 39.0
Infections of kidney (590)	2 6.1	1 3.3	1				1 1.7	1 1.9		1 1.8	1 2.0	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	3 9.1	3 9.8					7 12.0	7 13.3		3 5.4	3 5.9	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 3.0	1 3.3		1 5.1	1 5.2		1 1.7	1 1.9		5 8.9	5 9.8	
Other conditions originating in the perinatal period (760-766, 770-779)	1 3.0	1 3.3		1 5.1	1 5.2		1 1.7	1 1.9		5 8.9	3 5.9	2 39.0
Symptoms, signs & ill-defined conditions (780-799)	8 24.3	7 23.0	1	1 5.1	1 5.2		3 5.2	2 3.8	1 18.3	1 1.8		1 19.5
All other diseases	12 36.5	11 36.1	1	11 56.2	11 57.6		21 36.1	18 34.2	3 55.0	26 46.4	23 45.2	3 58.5
Motor vehicle accidents (E810-E825)	11 33.4	11 36.1		5 25.6	5 26.2		12 20.7	11 20.9	1 18.3	10 17.8	8 15.7	2 39.0
All other accidents & adverse effects (E800-E807, E826-E849)	7 21.3	7 23.0		5 25.6	5 26.2		9 15.5	7 13.3	2 36.7	12 21.4	10 19.6	2 39.0
Suicide (E960-E969)	5 15.2	5 16.4		2 10.2	2 10.5		10 17.2	10 19.0		7 12.5	7 13.7	
Homicide & legal intervention (E970-E978)	2 6.1	2 6.6		2 10.2	2 10.5		3 5.2	2 3.8	1 18.3	3 5.4	3 5.9	
All other external causes (E980-E999)				1 5.1	1 5.2					5 8.9	5 9.8	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	ATHENS			BRISTOL			CHATTANOOGA			CLARKSVILLE		
	All Races 12,080 No. Rate	White 10,930 No. Rate	Other Races 1,150 No. Rate	All Races 23,986 No. Rate	White 23,215 No. Rate	Other Races 771 No. Rate	All Races 169,565 No. Rate	White 114,741 No. Rate	Other Races 54,824 No. Rate	All Races 54,777 No. Rate	White 41,303 No. Rate	Other Races 13,474 No. Rate
LIVE BIRTHS	192 15.9	172 15.7	20 17.4	269 11.3	262 11.3	7 9.1	2,890 17.0	1,798 15.7	1,092 19.9	1,130 20.6	824 20.0	306 22.7
ILLEGITIMATE BIRTHS	28 14.6	18 10.5	10 50.0	27 10.0	24 9.2	3	876 30.3	191 10.6	685 82.7	161 14.2	63 7.6	98 32.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	12 6.2	9 5.2	3 15.0	19 7.1	17 6.5	2	241 8.3	100 5.6	141 12.9	90 8.0	60 7.3	30 9.8
INFANT DEATHS (Under one year of age)	2 10.4	2 11.6		3 11.2	2 7.6	1	37 12.8	22 12.2	15 13.7	20 17.7	14 17.0	6 19.6
Neonatal Deaths (Under 28 days of age)	2 10.4	2 11.6		2 7.4	1 3.8	1	25 8.7	17 9.5	8 7.3	16 14.2	12 14.6	4 13.1
Under 7 days of age	1	1		2	1	1	23	15	8	12	10	2
7-27 days of age	1	1					2	2		4	2	2
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 5.2	1 5.8					34 11.8	16 8.9	18 16.5	12 10.6	7 8.5	5 16.3
INDUCED TERMINATIONS OF PREGNANCY	80 416.7	73 434.4	6 300.0	78 290.0	75 286.3	3	833 283.2	506 282.5	322 294.9	145 128.3	92 111.7	48 156.9
TOTAL DEATHS	135 11.2	117 10.7	18 15.7	242 10.1	225 9.7	17 22.0	1,865 11.0	1,306 11.4	559 10.2	317 5.8	247 6.0	70 5.2
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							2 1.2	1 0.9	1 1.8			
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)							1 0.6	1 0.5				
Septicemia (038)				3 12.5	3 12.9		12 7.1	7 6.1	5 9.1			
Acute poliomyelitis (045)												
Viral encephalitis (049.5-049.9, 062-064)				1 4.2	1 4.3							
Measles (055)							2 1.2	2 1.7				
Viral hepatitis (070)							1 0.6		1 1.8			
Rocky Mtn. spotted fever (082.0)				1 4.2	1 4.3							
Syphilis (090-097)							1 0.6					
All other infectious & parasitic diseases (remainder of 001-139)							1 0.6		1 1.8	1 1.8	1 2.4	
Malignant neoplasms (140-208)	25 207.0	21 192.1	4	54 225.1	50 215.4	4	380 224.1	264 230.1	116 211.6	59 107.7	50 121.1	9 66.8
Lip, oral cavity & pharynx (140-149)				1 4.2	1 4.3		4 2.4	2 1.7	2 3.6	1 1.8	1 2.4	
Digestive organs & peritoneum (150-159)	9 74.5	6 54.9	3	11 45.9	9 38.8	2	92 54.3	57 49.7	35 63.8	12 21.9	10 24.2	2 14.8
Respiratory & intrathoracic organs (160-165)	9 74.5	9 82.3		10 41.7	10 43.1		122 71.9	87 75.8	35 63.8	24 43.8	21 50.8	3 22.3
Breast (174-175)	1 8.3	1 9.1		2 8.3	2 8.6		28 16.5	20 17.4	8 14.6	5 9.1	4 9.7	1 7.4
Female genital organs (179-184)	1 8.3	1 9.1		4 16.7	4 17.2		23 13.6	12 10.5	11 20.1	2 3.7	2 4.8	
Male genital organs (185-187)	1 8.3	1 9.1		4 16.7	4 17.2		19 11.2	14 12.2	5 9.1	4 7.3	3 7.3	1 7.4
Urinary organs (188-189)				2 8.3	2 8.6		20 11.9	17 14.8	3 5.5	2 3.7	2 4.8	
Other & unsp. sites (170-173, 190-199)	2 16.6	1 9.1	1	13 54.2	13 56.0		33 19.5	26 22.7	7 12.9	3 5.5	3 7.3	
Leukemia (204-206)	1 8.3	1 9.1		2 8.3	1 4.3	1	13 7.7	11 9.6	2 3.6	4 7.3	2 4.8	2 14.8
Other lymphatic & hematopoietic tissue (200-203)	1 8.3	1 9.1		5 20.8	4 17.2	1	26 15.3	18 15.7	8 14.6	2 3.7	2 4.8	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 8.3	1 9.1					6 3.5	6 5.2				
Diabetes mellitus (250)	3 24.8	3 27.4		4 16.7	2 8.6	2	28 16.5	13 11.3	15 27.4	2 3.7	2 4.8	
Nutritional deficiencies (260-269)				1 4.2	1 4.3		6 3.5	4 3.5	2 3.6	1 1.8	1 2.4	
Anemias (280-285)	1 8.3	1 9.1		1 4.2	1 4.3		3 1.8	2 1.7	1 1.8			
Meningitis (330-332)										1 1.8		1 7.4
Diseases of heart (390-398, 402, 404-429)	49 405.6	43 393.4	6	95 396.1	88 379.1	7	706 416.4	494 430.5	212 386.7	107 195.3	83 201.0	24 178.1
Rheumatic fever & rheumatic heart disease (390-398)				1 4.2	1 4.3		1 0.6	1 0.9				
Hypertensive heart disease (402)				1 4.2	1 4.3		15 8.8	8 7.0	7 12.8	1 1.8		1 7.4
Hypertensive heart & renal disease (404)	1 8.3		1	1 4.2	1 4.3		6 3.5	5 4.4	1 1.8			
Ischemic heart disease (410-414)	38 314.6	34 311.1	4	84 350.2	78 336.0	6	586 345.6	419 365.2	167 304.6	88 160.7	71 171.9	17 126.2
All other forms of heart disease (415-429)	10 82.8	9 82.3	1	8 33.4	7 30.2	1	98 57.8	61 53.2	37 67.5	18 32.9	12 29.1	6 44.5
Hypertension, with or without renal disease (401, 403)				1 4.2	1 4.3		5 2.9	3 2.6	2 3.6			
Cerebrovascular disease (430-438)	16 132.5	14 128.1	2	24 100.1	23 99.1	1	186 109.7	145 126.4	41 74.8	32 58.4	23 55.7	9 66.8
Atherosclerosis (440)	1 8.3	1 9.1		1 4.2	1 4.3		18 10.6	17 14.8	1 1.8	2 3.7	1 2.4	1 7.4
Other diseases of arteries, arterioles & capillaries (441-448)	3 24.8	2 18.3	1	2 8.3	2 8.6		11 6.5	8 7.0	3 5.5	1 1.8	1 2.4	
Acute bronchitis & bronchiolitis (466)							4 2.4	4 3.5				
Pneumonia (480-486)	4 33.1	4 36.6		11 45.9	11 47.4		49 28.9	40 34.9	9 16.4	6 11.0	4 9.7	2 14.8
Influenza (487)							4 2.4	2 1.7	2 3.6	3 5.5	2 4.8	1 7.4
Bronchitis, chronic & unsp. (490-491)							14 8.3	14 12.2		4 7.3	4 9.7	
Emphysema (492)				2 8.3	2 8.6		3 1.8	2 1.7	1 1.8			
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 24.8	3 27.4		4 16.7	4 17.2		28 16.5	25 21.8	3 5.5	10 18.3	8 19.4	2 14.8
Ulcer of stomach & duodenum (531-533)				1 4.2	1 4.3		8 4.7	7 6.1	1 1.8	1 1.8	1 2.4	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							7 4.1	6 5.2	1 1.8			
Chronic liver disease & cirrhosis (571)	2 16.6	1 9.1	1	1 4.2	1 4.3		25 14.7	17 14.8	8 14.6	2 3.7	1 2.4	1 7.4
Cholelithiasis & other disorders of gallbladder (574-575)	1 8.3	1 9.1					2 1.2	1 0.9	1 1.8	1 1.8	1 2.4	
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				1 4.2	1 4.3		6 3.5		6 10.9			
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)												
Infections of kidney (590)	4 33.1	2 18.3	2	3 12.5	3 12.9		11 6.5	4 3.5	7 12.8	6 11.0	3 7.3	3 22.3
Hyperplasia of prostate (600)	1 8.3	1 9.1					3 1.8	3 2.6		1 1.8	1 2.4	
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 8.3	1 9.1		1 4.2	1 4.3		8 4.7	7 6.1	1 1.8	4 7.3	3 7.3	1 7.4
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				1 4.2	1 4.3		12 7.1	9 7.8	3 5.5	4 7.3	3 7.3	1 7.4
Other conditions originating in the perinatal period (760-766, 770-779)	1 8.3	1 9.1		1 4.2		1	8 4.7	4 3.5	4 7.3	8 14.6	6 14.5	2 14.8
Symptoms, signs & ill-defined conditions (780-799)				1 4.2	1 4.3		15 8.8	7 6.1	8 14.6	7 12.8	7 16.9	
All other diseases	6 49.7	6 54.9		14 58.4	13 56.0	1	128 75.5	83 72.3	45 82.1	19 34.7	12 29.1	7 52.0
Motor vehicle accidents (E810-E825)	4 33.1	4 36.6		4 16.7	4 17.2		45 26.5	41 35.7	4 7.3	12 21.9	11 26.6	1 7.4
All other accidents & adverse effects (E800-E807, E826-E849)	4 33.1	3 27.4	1	4 16.7	4 17.2		60 35.4	29 25.3	31 56.5	9 16.4	7 16.9	2 14.8
Suicide (E850-E859)	3 24.8	3 27.4		4 16.7	3 12.9	1	23 13.6	18 16.6	4 7.3	7 12.8	7 16.9	
Homicide & legal intervention (E860-E878)	2 16.6	1 9.1	1	1 4.2	1 4.3		27 15.9	11 9.6	16 29.2	6 11.0	3 7.3	3 22.3
All other external causes (E880-E899)							7 4.1	4 3.5	3 5.5			

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	CLEVELAND			COLUMBIA			COOKEVILLE			DYERSBURG		
	ALL RACES 26,415 No. Rate	WHITE 24,416 No. Rate	OTHER RACES 1,999 No. Rate	ALL RACES 26,372 No. Rate	WHITE 21,116 No. Rate	OTHER RACES 5,256 No. Rate	ALL RACES 20,535 No. Rate	WHITE 19,528 No. Rate	OTHER RACES 1,007 No. Rate	ALL RACES 15,866 No. Rate	WHITE 12,844 No. Rate	OTHER RACES 3,012 No. Rate
LIVE BIRTHS	402 15.2	369 15.1	33 16.5	421 16.0	306 14.5	115 21.9	218 10.6	208 10.7	10 9.9	263 16.6	196 15.3	67 22.2
ILLEGITIMATE BIRTHS	44 10.9	31 8.4	13 39.4	106 25.7	29 9.5	79 68.7	20 9.2	19 9.1	1 10.0	62 23.6	20 10.2	42 62.7
LOW-WEIGHT BIRTHS (Less than 2500 grams)	36 9.0	31 8.4	5 15.2	31 7.4	20 6.5	11 9.6	16 7.3	16 7.7		19 7.2	8 4.1	11 16.4
INFANT DEATHS (Under one year of age)	6 14.9	5 13.6	1 30.3	6 14.3	5 16.3	1 8.7	2 9.2	2 9.6		5 19.0	5 25.5	
Neonatal Deaths (Under 28 days of age)	3 7.5	2 5.4	1 30.3	3 7.1	3 9.8					4 15.2	4 20.4	
Under 7 days of age	3	2	1	1	1					3	5	
7-27 days of age				2	2					1	1	
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	3 7.5	3 8.1		5 11.9	4 13.1	1 8.7	5 22.9	5 24.0		2 7.6	1 5.1	1 14.9
INDUCED TERMINATIONS OF PREGNANCY	100 248.8	91 246.6	8 242.4	58 137.8	42 137.3	16 139.1	100 458.7	94 451.9	6 600.0	40 152.1	26 132.7	14 209.0
TOTAL DEATHS	272 10.3	242 9.9	30 15.0	247 9.4	200 9.5	47 8.9	147 7.2	145 7.4	2 2.0	192 12.1	152 11.8	40 13.3
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)				1 3.5	1 4.7							
Tuberculosis, all forms (010-018)												
Whooping cough (033)										1 6.3	1 7.9	
Streptococcal sore throat, scarlatina & erysipelas (054-056)												
Meningococcal infection (036)												
Septicemia (038)												
Acute poliomyelitis (045)				1 3.8	1 4.7		1 4.9	1 5.1		1 6.3	1 7.9	
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)				1 3.8	1 4.7							
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)												
Malignant neoplasms (140-209)	55 208.2	49 200.7	6	44 166.8	39 184.7	5 95.1	34 165.6	33 169.0	1	48 302.7	40 311.4	8
Lip, oral cavity & pharynx (140-149)				4 15.2	4 18.9		2 9.7	2 10.2				
Digestive organs & peritoneum (150-159)	12 45.4	11 45.1	1	11 41.7	8 37.9	3 57.1	7 34.1	7 35.8		14 88.3	11 85.6	3
Respiratory & intrathoracic organs (160-169)	16 60.6	14 57.3	2	12 45.5	12 56.8		8 39.0	8 41.0		19 119.8	18 140.1	1
Breast (174-175)	5 18.9	5 20.5		6 22.8	6 28.4		3 14.6	3 15.4		2 12.6	2 15.6	
Female genital organs (179-184)	2 7.6	2 8.2		1 3.8	1 4.7		2 9.7	2 10.2		1 6.3		
Male genital organs (185-187)	1 3.8		1	1 3.8	1 4.7					1 6.3	1 7.9	
Urinary organs (188-189)	1 3.8	1 4.1								2 12.6	2 15.6	
Other & unsp. sites (170-173, 190-199)	12 45.4	11 45.1	1	8 30.3	6 28.4	2 38.1	3 14.6	3 15.4	1	3 18.9		3
Leukemia (204-208)	2 7.6	2 8.2		1 3.8	1 4.7		6 29.2	5 25.6		3 18.9	3 23.4	
Other lymphatic & hematopoietic tissue (200-203)	4 15.1	3 12.3	1				3 14.6	3 15.4		3 18.9	3 23.4	
Benign neoplasms, carcinomas in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 3.8	1 4.1								3 18.9	1 7.8	2
Diabetes mellitus (250)	2 7.6	1 4.1	1	1 3.8		1 19.0				2 12.6	2 15.6	
Nutritional deficiencies (260-269)	2 7.6	1 4.1	1							1 6.3	1 7.8	
Anemias (280-285)												
Meningitis (320-322)	1 3.8	1 4.1										
Diseases of heart (390-398, 402, 404-429)	92 348.3	84 344.0	8	107 405.7	87 412.0	20 380.5	57 277.6	57 291.9		57 359.5	47 365.9	10
Rheumatic fever & rheumatic heart disease (390-398)	2 7.6	2 8.2		1 3.8	1 4.7		2 9.7	2 10.2		1 6.3	1 7.8	
Hypertensive heart disease (402)	3 11.4	1 4.1	2	6 22.8	5 23.7	1 19.0	2 9.7	2 10.2		1 6.3	1 7.8	
Hypertensive heart & renal disease (404)										1 6.3		
Isthemic heart disease (410-414)	69 261.2	64 262.1	5	81 307.1	67 317.3	14 266.4	44 214.3	44 225.3		43 271.2	36 280.3	7
All other forms of heart disease (415-429)	18 68.1	17 69.6	1	19 72.0	14 66.3	5 95.1	9 43.8	9 46.1		11 69.4	9 70.1	2
Hypertension, with or without renal disease (401, 403)	1 3.8	1 4.1								1 6.3		
Cerebrovascular diseases (430-438)	39 147.6	35 143.3	4	36 136.5	26 123.1	10 190.3	17 82.8	16 81.9	1	28 176.6	24 186.9	4
Atherosclerosis (440)	4 15.1	4 16.4		5 19.0	4 18.9	1 19.0	2 9.7	2 10.2		1 6.3	1 7.8	
Other diseases of arteries, arterioles & capillaries (441-448)	1 3.8	1 4.1		1 3.8	1 4.7					3 18.9	1 7.8	2
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	6 22.7	5 20.5	1	5 19.0	4 18.9	1 19.0	3 14.6	3 15.4		2 12.6	2 15.6	
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)	2 7.6	2 8.2		1 3.8	1 4.7		1 4.9	1 5.1				
Emphysema (492)	5 18.9	5 20.5		2 7.6	1 4.7	1 19.0				1 6.3	1 7.8	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	5 18.9	3 12.3	2	4 15.2	3 14.2	1 19.0	3 14.6	3 15.4		3 18.9	3 23.4	
Ulcer of stomach & duodenum (531-533)	1 3.8	1 4.1		1 3.8	1 4.7							
Appendicitis (540-543)							1 4.9	1 5.1		1 6.3		
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	4 15.1	3 12.3	1	1 3.8		1 19.0				2 12.6	1 7.8	1
Cholelithiasis & other disorders of gallbladder (574-575)										1 6.3		1
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-585, 587)										1 6.3		1
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	2 7.6		2									
Infections of kidney (590)	1 3.8	1 4.1								1 6.3		1
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	3 11.4	2 8.2	1	1 3.8		1 19.0	2 9.7	2 10.2		1 6.3		1
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				1 3.8	1 4.7					1 6.3	1 7.8	
Other conditions originating in the perinatal period (760-766, 770-779)	2 7.6	2 8.2		1 3.8	1 4.7					2 12.6	2 15.6	
Symptoms, signs & ill-defined conditions (780-799)	8 30.3	7 28.7	1	5 19.0	3 14.2	2 38.1	6 29.2	6 30.7		14 88.3	10 77.9	4
All other diseases	14 53.0	13 53.2	1	11 41.7	11 52.1		6 29.2	6 30.7		10 63.1	9 70.1	1
Motor vehicle accidents (E810-E825)	4 15.1	4 16.4		4 15.2	3 14.2	1 19.0	4 19.5	4 20.5		3 18.9	3 23.4	
All other accidents & adverse effects (E800-E807, E826-E849)	8 30.3	8 32.8		5 19.0	3 14.2	2 38.1	3 14.6	3 15.4		1 6.3	1 7.8	
Suicide (E950-E959)	7 26.5	7 28.7		6 19.0	5 23.7		6 29.2	6 30.7		2 12.6		2
Homicide & legal intervention (E960-E978)	2 7.6	1 4.1	1	3 11.4	3 14.2		1 4.9	1 5.1				
All other external causes (E980-E999)												

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	EAST RIDGE			ELIZABETHTON			GALLATIN			GREENEVILLE		
	All Races	White	Other Races	All Races	White	Other Races	All Races	White	Other Races	All Races	White	Other Races
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	130 6.1	128 6.1	2 11.5	150 12.1	145 12.0	5 13.3	310 18.0	234 16.9	76 22.8	197 14.0	172 13.1	25 27.0
ILLEGITIMATE BIRTHS	5 3.8	5 3.9		15 10.0	14 9.7	1	70 22.6	28 12.0	42 55.3	46 23.4	28 16.3	18 73.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	7 5.4	7 5.5		7 4.7	6 4.1	1	24 7.7	14 6.0	10 13.2	16 8.1	14 8.1	2 8.0
INFANT DEATHS (Under one year of age)	2 15.4	2 15.6		1 6.7	1 6.9		2 6.5	1 4.3	1 13.2	7 35.5	6 34.9	1 40.0
Neonatal Deaths (Under 28 days of age)	1 7.7	1 7.8		1 6.7	1 6.9		1 3.9	1 4.3		6 30.5	6 34.9	
Under 7 days of age	1	1		1	1		1	1		6	6	
7-27 days of age												
MATERNAL DEATHS (ICD codes 630-676)				1 66.7	1 69.0							
FETAL DEATHS				1 6.7	1 6.9					2 10.2	1 5.8	1 40.0
INDUCED TERMINATIONS OF PREGNANCY	6 46.2	6 46.9		19 136.7	19 131.0		39 135.8	25 106.8	13 171.1	80 406.1	75 436.0	4 160.0
TOTAL DEATHS	182 8.6	182 8.6		125 10.1	119 9.9	6 16.0	141 8.2	104 7.5	37 11.1	187 11.8	160 12.1	7 7.6
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-036)												
Meningococcal infection (036)												
Septicemia (038)												
Acute poliomyelitis (045)												
Viral encephalitis (048.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	1 4.7	1 4.7		1 8.0	1 8.3					1 7.1	1 7.6	
Malignant neoplasms (140-208)	35 164.8	35 166.2		25 201.1	22 182.5	3	32 186.1	22 158.7	10	19 134.8	18 136.7	1
Lip, oral cavity & pharynx (140-141)							1 5.8		1			
Digestive organs & peritoneum (150-159)	13 61.2	13 61.7		4 32.2	3 24.9	1	7 40.7	5 36.1	2	6 42.6	5 38.0	1
Respiratory & intrathoracic organs (160-165)	3 37.7	8 38.0		9 72.4	8 66.4	1	13 75.6	8 57.7	5	8 56.7	8 60.7	
Breast (174-175)	2 9.4	2 9.5					2 11.6	2 14.4		3 21.3	3 22.8	
Female genital organs (176-184)	2 9.4	2 9.5		3 24.1	3 24.9		2 11.6	1 7.2	1			
Male genital organs (185-187)				1 8.0	1 8.3		2 11.6	2 14.4				
Urinary organs (188-189)	1 4.7	1 4.7		2 16.1	2 16.6		2 11.6	1 7.2	1	1 7.1	1 7.6	
Other & unsp. sites (170-173, 190-199)	5 23.5	5 23.7		2 16.1	2 16.6		2 11.6	2 14.4				
Leukemia (204-208)	2 9.4	2 9.5					1 5.8	1 7.2				
Other lymphatic & hematopoietic tissue (200-203)	2 9.4	2 9.5		4 32.2	3 24.9	1				1 7.1	1 7.6	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 8.0	1 8.3		1 5.8		1			
Diabetes mellitus (250)	3 14.1	3 14.2		2 16.1	2 16.6		1 5.8	1 7.2		4 28.4	4 30.4	
Nutritional deficiencies (260-269)												
Anemias (280-285)							1 5.8					
Meningitis (320-322)										1 7.1	1 7.6	
Diseases of heart (390-396, 402, 404-429)	77 362.6	77 365.6		45 362.0	43 356.7	2	56 325.8	42 303.1	14	79 580.4	76 577.0	3
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)	1 4.7	1 4.7		2 16.1	2 16.6		1 5.8	1 7.2		4 28.4	4 30.4	
Hypertensive heart & renal disease (404)	1 4.7	1 4.7										
Ischemic heart disease (410-414)	63 296.7	63 299.1		29 233.3	29 240.5		37 215.2	25 180.4	12	51 361.8	50 379.6	1
All other forms of heart disease (415-429)	12 56.5	12 57.0		14 112.6	12 99.5	2	18 104.7	16 115.4	2	24 170.3	22 167.0	2
Hypertension, with or without renal disease (401, 403)												
Cerebrovascular disease (430-435)	16 75.3	16 76.0		14 112.6	13 107.8	1	20 116.3	15 108.2	5	15 106.4	15 113.9	
Atherosclerosis (440)	2 9.4	2 9.5		3 24.1	3 24.9		2 11.6	2 14.4		1 7.1	1 7.6	
Other diseases of arteries, arterioles & capillaries (441-445)	3 14.1	3 14.2		1 8.0	1 8.3		1 5.8	1 7.2		2 14.2	2 15.2	
Acute bronchitis & bronchiolitis (486)												
Pneumonia (480-486)	5 23.5	5 23.7		4 32.2	4 33.2		4 23.3	3 21.6	1	7 49.7	6 45.6	1
Influenza (487)				1 8.0	1 8.3							
Bronchitis, chronic & unsp. (490-491)	1 4.7	1 4.7										
Emphysema (492)	1 4.7	1 4.7										
Asthma (493)										2 14.2	2 15.2	
Other chronic obstructive pulmonary disease & allied conditions (494-496)										2 14.2	2 15.2	
Ulcer of stomach & duodenum (531-533)	11 51.8	11 52.3		6 48.3	6 49.8		1 5.8	1 7.2		3 21.3	3 22.8	
Appendicitis (540-543)							1 5.8	1 7.2				
Hernia & intestinal obstruction (560-563, 560)												
Chronic liver disease & cirrhosis (571)	1 4.7	1 4.7					2 11.6	1 7.2	1	3 21.3	3 22.8	
Cholelithiasis & other disorders of gallbladder (574-575)	1 4.7	1 4.7		1 8.0	1 8.3							
Acute glomerulonephritis & nephrotic syndrome (580-581)	1 4.7	1 4.7										
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				1 8.0	1 8.3							
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 4.7	1 4.7		1 8.0	1 8.3					1 7.1	1 7.6	
Infections of kidney (590)												
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)				1 66.7	1 69.0							
Congenital anomalies (740-759)	1 4.7	1 4.7								2 14.2	2 15.2	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)										1 7.1	1 7.6	
Other conditions originating in the perinatal period (760-766, 770-779)				1 8.0	1 8.3		1 5.8	1 7.2		3 21.3	3 22.8	
Symptoms, signs & ill-defined conditions (780-799)	1 4.7	1 4.7		2 16.1	2 16.6		1 5.8	1 7.2		3 21.3	2 15.2	1
All other diseases	6 28.3	6 28.5		7 58.3	7 58.1		5 29.1	2 14.4	3	12 85.1	11 83.5	1
Motor vehicle accidents (E810-E825)	5 23.5	5 23.7		1 8.0	1 8.3		3 17.5	3 21.6		3 21.3	3 22.8	
All other accidents & adverse effects (E830-E807, E826-E849)	5 23.5	5 23.7		2 16.1	2 16.6		5 29.1	4 28.9	1	2 14.2	2 15.2	
Suicide (E860-E869)	1 4.7	1 4.7		5 40.2	5 41.5		4 23.3	4 28.9		1 7.1	1 7.6	
Homicide & legal intervention (E870-E879)	2 9.4	2 9.5					1 5.8		1			
All other external causes (E880-E899)												

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	HUMBOLDT						JACKSON						JOHNSON CITY						KINGSFORD					
	ALL RACES		WHITE		OTHER RACES		ALL RACES		WHITE		OTHER RACES		ALL RACES		WHITE		OTHER RACES		ALL RACES		WHITE		OTHER RACES	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	166	16.3	83	13.0	83	21.8	797	16.2	428	13.4	369	21.6	450	11.3	403	10.9	47	16.6	363	11.3	337	11.2	24	12.3
ILLEGITIMATE BIRTHS	50	30.1	2	2.4	48	57.8	219	27.5	21	4.9	198	53.7	81	18.0	58	14.4	23	48.9	57	15.7	48	14.2	9	37.5
LOW-WEIGHT BIRTHS (Less than 2500 grams)	13	7.8	5	6.0	8	9.6	70	8.6	23	5.4	47	12.7	36	8.0	31	7.7	5	10.6	28	7.7	26	7.7	2	8.3
INFANT DEATHS (Under one year of age)	3	18.1	1	12.0	2	24.1	10	12.5	4	9.3	6	16.3	12	26.7	11	27.3	1	21.3	4	11.0	4	11.9		
Neonatal Deaths (Under 28 days of age)	2	12.0	1	12.0	1	12.0	6	7.5	1	2.3	5	13.6	8	17.8	7	17.4	1	21.3	2	5.5	2	5.9		
Under 7 days of age	1		1				5		1		4		8		7		1		2		2			
7-27 days of age							1				1													
MATERNAL DEATHS (ICD codes 630-676)																								
FETAL DEATHS	3	18.1			3	36.1	10	12.5	2	4.7	8	21.7	7	15.6	7	17.4			4	11.0	4	11.9		
INDUCED TERMINATIONS OF PREGNANCY	32	192.8	15	180.7	17	204.8	227	284.8	148	345.8	79	214.1	188	417.8	176	436.7	8	170.2	248	685.1	232	688.4	10	416.7
TOTAL DEATHS	124	12.1	86	13.5	38	10.0	543	11.1	373	11.6	170	10.0	463	11.6	438	11.9	25	8.8	352	11.0	340	11.3	11	5.6
CAUSE OF DEATH																								
Shigellosis & amebiasis (004, 006)																								
Certain other intestinal infections (007-009)																								
Tuberculosis, all forms (010-018)													1	2.5	1	2.7								
Whooping cough (033)																			4	12.5	3	10.0	1	
Streptococcal sore throat, scarlatina & erysipelas (034-035)																								
Meningococcal infection (036)																								
Septicemia (038)																								
Acute poliomyelitis (045)							5	10.2	3	9.4	2	11.7							1	3.1	1	3.3		
Viral encephalitis (049.8-049.9, 062-064)																								
Measles (055)																								
Viral hepatitis (070)																								
Rocky Mtn. spotted fever (082.0)																								
Syphilis (090-097)																								
All other infectious & parasitic diseases (remainder of 001-139)							1	2.0			1	5.9							1	3.1	1	3.3		
Malignant neoplasms (140-208)	22	215.5	16	250.2	6		112	228.0	76	237.1	36	210.8	105	264.1	96	260.0	9		69	215.4	68	226.1	1	
Lip, oral cavity & pharynx (140-149)							1	2.0			1	5.9	2	5.0	1	2.7	1		4	12.5	3	10.0	1	
Digestive organs & peritoneum (150-159)	4	39.2	3	46.9	1		28	57.0	19	59.3	9	52.7	24	60.4	22	59.6	2		13	40.6	13	43.2		
Respiratory & intrathoracic organs (160-165)	4	39.2	4	62.6			33	67.2	26	81.1	7	41.0	26	65.4	25	67.7	1		21	65.6	21	69.8		
Breast (174-175)	3	29.4	2	31.3	1		7	14.2	5	15.6	2	11.7	5	12.6	4	10.8	1		2	6.2	2	6.7		
Female genital organs (179-184)							5	10.2	2	6.2	3	17.6	13	32.7	12	32.5	1		6	18.7	6	20.0		
Male genital organs (185-187)	2	19.6	1	15.6	1		9	18.3	4	12.5	5	29.3	5	12.6	3	8.1	2		3	9.4	3	10.0		
Urinary organs (188-189)	1	9.8	1	15.6			9	18.3	8	25.0	1	5.9	7	17.6	7	19.0			4	12.5	4	13.3		
Other & unsp. sites (170-173, 190-199)	6	58.8	3	46.9	3		10	20.4	6	18.7	4	23.4	10	25.2	10	27.1			9	28.1	9	29.9		
Leukemia (204-208)	1	9.8	1	15.6			4	8.1	4	12.5			5	12.6	5	13.5			3	9.4	3	10.0		
Other lymphatic & hematopoietic tissue (200-203)	1	9.8	1	15.6			6	12.2	2	6.2	4	23.4	8	20.1	7	19.0	1		4	12.5	4	13.3		
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)							2	4.1	1	3.1	1	5.9							1	3.1	1	3.3		
Diabetes mellitus (250)	5	49.0	2	31.3	3		5	10.2	2	6.2	3	17.6	3	7.5	3	8.1			3	9.4	3	10.0		
Nutritional deficiencies (260-269)																								
Anemias (280-285)	1	9.8			1		1	2.0	1	3.1			1	2.5	1	2.7			1	3.1			1	
Meningitis (320-322)													1	2.5	1	2.7								
Diseases of heart (390-396, 402, 404-429)	50	489.8	41	641.2	9		191	388.8	137	427.4	54	316.2	154	387.4	146	395.4	8		124	387.2	123	409.1	1	
Rheumatic fever & rheumatic heart disease (390-398)																								
Hypertensive heart disease (402)	1	9.8	1	15.6			1	2.0	1	3.1			7	17.6	6	16.3	1		2	6.2	2	6.7		
Hypertensive heart & renal disease (404)	1	9.8			1		6	12.2	2	6.2	4	23.4							2	6.2	2	6.7		
Ischemic heart disease (410-414)	37	362.4	31	484.8	6		153	311.4	121	377.5	32	187.4	102	256.6	99	268.1	3		90	281.0	89	296.0	1	
All other forms of heart disease (415-429)	11	107.7	9	140.8	2		30	61.1	13	40.6	17	99.5	45	113.2	41	111.0	4		30	93.7	30	99.8		
Hypertension, with or without renal disease (401, 403)							5	10.2	2	6.2	3	17.6	1	2.5	1	2.7			1	3.1	1	3.3		
Cerebrovascular disease (430-438)	18	176.3	10	156.4	8		78	158.8	55	171.6	23	134.7	66	166.0	65	176.1	1		34	106.2	32	106.4	2	
Atherosclerosis (440)	3	29.4	1	15.6	2		8	16.3	8	25.0			5	12.6	5	13.5			5	15.6	5	16.6		
Other diseases of arteries, arterioles & capillaries (441-448)	1	9.8	1	15.6			7	14.2	5	15.6	2	11.7	6	15.1	6	16.3			5	15.6	4	13.3	1	
Acute bronchitis & bronchiolitis (466)																								
Pneumonia (480-486)	2	19.6	1	15.6	1		14	28.5	9	28.1	5	29.3	12	30.2	2	5.4			12	37.5	11	36.6	1	
Influenza (487)	1	9.8	1	15.6			1	2.0			1	5.9												
Bronchitis, chronic & unsp. (490-491)							1	2.0	1	3.1			3	7.5	3	8.1			3	9.4	3	10.0		
Emphysema (492)							4	8.1	4	12.5			3	7.5	2	5.4	1		3	9.4	3	10.0		
Asthma (493)							1	2.0	1	3.1														
Other chronic obstructive pulmonary disease & allied conditions (494-496)	2	19.6	2	31.3			14	28.5	13	40.6	1	5.9	3	7.5	3	8.1			9	28.1	9	29.9		
Ulcer of stomach & duodenum (531-533)													1	2.5	1	2.7			2	6.2	2	6.7		
Appendicitis (540-543)																								
Hernia & intestinal obstruction (550-553, 560)																								
Chronic liver disease & cirrhosis (571)	1	9.8	1	15.6			6	12.2	4	12.5	2	11.7	8	20.1	8	21.7			1	3.1	1	3.3		
Cholelithiasis & other disorders of gallbladder (574-575)																			4	12.5	4	13.3		
Acute glomerulonephritis & nephrotic syndrome (580-581)												</												

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	KNOXVILLE			LEBANON			MCMINNVILLE			MARYVILLE		
	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate	ALL RACES No. Rate	WHITE No. Rate	OTHER RACES No. Rate
LIVE BIRTHS	2,298 13.1	1,781 12.1	517 18.7	206 17.3	160 16.3	45 21.7	161 15.1	144 14.2	17 30.8	264 15.1	250 14.8	14 24.9
ILLEGITIMATE BIRTHS	569 34.8	256 14.4	313 60.5	43 21.0	11 6.9	32 71.1	20 12.4	13 9.0	7 41.2	41 15.5	32 12.8	9 64.3
LOW-WEIGHT BIRTHS (Less than 2500 grams)	194 8.4	121 6.8	73 14.1	19 9.3	13 8.1	6 13.3	15 9.3	13 9.0	2 11.8	12 4.5	11 4.4	1 7.1
INFANT DEATHS (Under one year of age)	36 15.7	25 14.0	11 21.3	5 24.4	2 12.5	3 66.7	1 6.2	1 6.9	.....	3 11.4	3 12.0	.....
Neonatal Deaths (Under 28 days of age)	27 11.7	17 9.5	10 19.3	2 9.8	1 6.2	1 22.2	1 6.2	1 6.9	.....	2 7.6	2 8.0	.....
Under 7 days of age	23	13	10	1	1	1	1	1	.....	1	1	.....
7-27 days of age	4	4	.....	1	.....	1	.....	.....	.....	1	1	.....
MATERNAL DEATHS (ICD codes 630-676)	1 4.4	.....	1 19.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
FETAL DEATHS	20 8.7	11 6.2	9 17.4	.....	.....	.....	.....	.....	.....	1 3.8	1 4.0	.....
INDUCED TERMINATIONS OF PREGNANCY	1,879 817.7	1,599 897.8	271 524.2	36 175.6	27 168.8	9 300.0	27 167.7	25 173.6	2 117.6	171 647.7	164 656.0	7 500.0
TOTAL DEATHS	1,918 11.0	1,636 11.1	282 10.2	159 12.4	136 13.9	23 11.1	139 13.0	123 12.1	16 29.0	211 12.1	207 12.3	4 7.1
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Certain other intestinal infections (007-009)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis, all forms (010-018)	10 5.7	5 3.4	5 18.1	1 8.4	1 10.2	.....	.....	.....	.....	.....	.....	.....
Whooping cough (033)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Streptococcal sore throat, scarlatina & erysipelas (034-035)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meningococcal infection (036)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Septicemia (036)	4 2.3	2 1.4	2 7.3	1 8.4	.....	1	.....	.....	.....	.....	.....	.....
Acute poliomyelitis (045)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral encephalitis (048.8-049.9, 062-064)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles (055)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral hepatitis (070)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mtn. spotted fever (082.0)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syphilis (090-097)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other infectious & parasitic diseases (remainder of 001-139)	2 1.1	2 1.4	.....	1 8.4	1 10.2	.....	.....	.....	.....	.....	.....	.....
Malignant neoplasms (140-208)	420 242.0	363 246.2	57 206.7	33 278.0	28 285.9	5	31 290.2	29 296.3	2	45 274.6	45 271.9	2
Lip, oral cavity & pharynx (140-149)	13 7.4	11 7.5	2 7.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Digestive organs & peritoneum (150-159)	103 58.8	86 58.3	17 61.6	6 50.5	5 51.0	1	7 65.5	7 69.1	.....	19 108.7	18 106.4	1
Respiratory & intrathoracic organs (160-165)	114 65.1	102 69.2	12 43.5	8 67.4	6 61.3	2	10 93.6	10 98.7	.....	12 68.6	12 70.9	.....
Breast (174-175)	33 18.9	32 21.7	1 3.6	4 33.7	4 40.8	.....	2 18.7	2 19.7	.....	5 28.6	4 23.6	1
Female genital organs (179-184)	30 17.1	25 17.0	5 18.1	2 16.8	2 20.4	.....	1 9.4	1 9.9	.....	4 22.9	4 23.6	.....
Male genital organs (185-187)	25 14.3	19 12.9	6 21.8	.....	.....	.....	2 18.7	1 9.9	1	.....	.....	.....
Urinary organs (188-189)	19 10.9	14 9.5	5 18.1	3 25.3	2 20.4	1	1 9.4	1 9.9	.....	3 17.2	3 17.7	.....
Other & unsp. sites (170-173, 190-199)	51 29.1	47 31.9	4 14.5	9 75.2	8 81.7	1	6 56.2	5 49.4	1	3 17.2	3 17.7	.....
Leukemia (204-208)	15 8.6	13 8.8	2 7.3	1 8.4	1 10.2	.....	.....	.....	.....	1 5.7	1 5.9	.....
Other lymphatic & hematopoietic tissue (200-203)	17 9.7	14 9.5	3 10.9	.....	.....	.....	2 18.7	2 19.7	.....	.....	.....	.....
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	7 4.0	7 4.7	.....	1 8.4	1 10.2	.....	1 9.4	.....	1	.....	.....	.....
Diabetes mellitus (250)	20 11.4	17 11.5	3 10.9	.....	.....	.....	2 18.7	1 9.9	1	.....	.....	.....
Nutritional deficiencies (260-269)	4 2.3	4 2.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anemias (280-285)	2 1.1	.....	2 7.3	.....	.....	.....	.....	.....	.....	1 5.7	1 5.9	.....
Meningitis (320-322)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of heart (390-398, 402, 404-429)	599 342.2	532 350.8	67 242.9	57 490.1	50 510.5	7	60 561.6	54 533.0	6	69 394.7	68 402.0	1
Rheumatic fever & rheumatic heart disease (390-398)	5 2.9	4 2.7	1 3.6	2 16.8	1 10.2	1	.....	.....	.....	1 5.7	1 5.9	.....
Hypertensive heart disease (402)	14 8.0	9 6.1	5 18.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hypertensive heart & renal disease (404)	1 0.6	.....	1 3.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ischemic heart disease (410-414)	449 256.5	413 280.1	36 130.5	42 353.8	39 398.2	3	41 383.8	37 365.2	4	59 337.5	58 342.9	1
All other forms of heart disease (415-429)	130 74.3	106 71.9	24 87.0	13 108.5	10 102.1	3	19 177.9	17 167.8	2	9 51.5	9 53.2	.....
Hypertension, with or without renal disease (401, 403)	7 4.0	4 2.7	3 10.9	.....	.....	.....	.....	.....	.....	3 17.2	3 17.7	.....
Cerebrovascular disease (430-438)	211 120.6	186 126.1	25 90.7	23 193.7	21 214.4	2	7 65.5	5 49.4	2	39 223.1	38 224.6	1
Atherosclerosis (440)	24 13.7	18 12.2	6 21.8	2 16.8	2 20.4	.....	2 18.7	2 19.7	.....	3 17.2	3 17.7	.....
Other diseases of arteries, arterioles & capillaries (441-448)	16 9.1	13 8.8	3 10.9	1 8.4	1 10.2	.....	3 28.1	3 29.6	.....	4 22.9	4 23.6	.....
Acute bronchitis & bronchiolitis (466)	1 0.6	1 0.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pneumonia (480-486)	41 23.4	31 21.0	10 38.3	6 50.5	4 40.8	2	4 37.4	4 39.5	.....	7 40.0	7 41.4	.....
Influenza (487)	1 0.6	1 0.7	.....	1 8.4	.....	1	2 18.7	2 19.7	.....	.....	.....	.....
Bronchitis, chronic & unsp. (490-491)	5 2.9	5 3.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Emphysema (492)	20 11.4	19 12.9	1 3.6	2 16.8	2 20.4	.....	.....	.....	.....	1 5.7	1 5.9	.....
Asthma (493)	1 0.6	1 0.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other chronic obstructive pulmonary disease & allied conditions (494-496)	37 21.1	33 22.4	4 14.5	2 16.8	2 20.4	.....	4 37.4	4 39.5	.....	3 17.2	3 17.7	.....
Ulcer of stomach & duodenum (531-533)	2 1.1	1 0.7	1 3.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Appendicitis (540-543)	1 0.6	1 0.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hernia & intestinal obstruction (560-563, 560)	3 1.7	2 1.4	1 3.6	1 8.4	1 10.2	.....	.....	.....	.....	.....	.....	.....
Chronic liver disease & cirrhosis (571)	26 14.9	22 14.9	4 14.5	6 50.5	6 61.3	.....	.....	.....	.....	2 11.4	2 11.8	.....
Cholelithiasis & other disorders of gallbladder (574-575)	5 2.9	5 3.4	.....	.....	.....	.....	2 18.7	2 19.7	.....	.....	.....	.....
Acute glomerulonephritis & nephritic syndrome (580-581)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	4 2.3	3 2.0	1 3.6	.....	.....	.....	.....	.....	.....	1 5.7	1 5.9	.....
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	3 1.7	1 0.7	2 7.3	2 16.8	1 10.2	.....	1 9.4	1 9.9	.....	.....	.....	.....
Infections of kidney (590)	3 1.7	2 1.4	1 3.6	1 8.4	1 10.2	.....	.....	.....	.....	2 11.4	2 11.8	.....
Hyperplasia of prostate (600)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Complications of pregnancy, childbirth & the puerperium (630-676)	1 4.4	.....	1 19.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congenital anomalies (740-759)	14 8.0	12 8.1	2 7.3	1 8.4	1 10.2	.....	.....	.....	.....	2 11.4	2 11.8	.....
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	4 2.3	1 0.7	3 10.9	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other conditions originating in the perinatal period (760-766, 770-779)	13 7.4	7 4.7	6 21.8	2 16.8	1 10.2	1	1 9.4	1 9.9	.....	.....	.....	.....
Symptoms, signs & ill-defined conditions (780-799)	172 98.3	132 89.5	40 145.0	1 8.4	.....	1	3 28.1	2 19.7	1	1 5.7	1 5.9	.....
All other diseases	99 58.6	85 57.6	14 50.8	9 75.8	8 81.7	1	8 74.9	6 59.2	2	11 62.9	11 65.0	.....
Motor vehicle accidents (E810-E825)	47 28.9	45 30.5	2 7.3	2 16.8	2 20.4	.....	2 18.7	2 19.7	.....	1 5.7	1 5.9	.....
All other accidents & adverse effects (E800-E807, E826-E849)	35 20.0	29 19.7	6 21.8	2 16.8	1 10.2	1	1 9.4	1 9.9	.....	6 34.3	6 35.5	.....
Suicide (E960-E969)	20 11.4	18 12.2	2 7.3	.....	.....	.....	4 37.4	4 39.5	.....	3 17.2	3 17.7	.....
Homicide & legal intervention (E970-E978)	28 16.0	20 13.6	8 29.0	.....	.....	.....	1 9.4	.....	.....	4 22.9	4 23.6	.....
All other external causes (E980-E999)	6 3.4	6 4.1	.....	1 8.4	1 10.2	.....	.....	.....	.....	.....	.....	.....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	MEMPHIS			MILLINGTON			MORRISTOWN			MURFREESBORO		
	ALL RACES No. Rate	WHITE 333,789 No. Rate	OTHER RACES 312,567 No. Rate	ALL RACES 20,236 No. Rate	WHITE 16,796 No. Rate	OTHER RACES 3,440 No. Rate	ALL RACES 19,683 No. Rate	WHITE 17,725 No. Rate	OTHER RACES 1,957 No. Rate	ALL RACES 32,845 No. Rate	WHITE 27,384 No. Rate	OTHER RACES 5,461 No. Rate
LIVE BIRTHS	12,017 18.6	4,557 13.7	7,458 23.9	420 20.8	307 18.3	113 32.8	297 15.1	268 15.1	29 14.8	436 13.3	333 12.2	103 18.8
ILLEGITIMATE BIRTHS	4,743 39.5	336 7.3	4,417 59.2	73 17.4	20 6.5	53 46.9	62 30.9	49 18.3	13 44.8	82 18.8	26 7.8	56 54.4
LOW-WEIGHT BIRTHS (Less than 2500 grams)	1,330 11.1	284 6.3	1,046 14.0	40 9.5	23 7.5	17 15.0	23 7.7	21 7.8	2 6.9	24 5.5	17 5.1	7 6.8
INFANT DEATHS (Under one year of age)	213 17.7	57 12.5	156 20.9	8 19.0	4 13.0	4 35.4	3 10.1	3 11.2		6 13.8	5 15.0	1 9.7
Neonatal Deaths (Under 28 days of age)	152 12.6	44 9.7	108 14.5	6 14.3	3 9.8	3 26.5	2 6.7	2 7.5		4 9.2	3 9.0	1 9.7
Under 7 days of age	126 10.5	33 7.3	92 12.3	4 9.4	2 6.5	2 17.4	2 6.7	2 7.5		4 9.2	3 9.0	1 9.7
7-27 days of age	27 2.1	11 2.8	16 2.1	2 4.7	1 3.2	1 8.1						
MATERNAL DEATHS (ICD codes 630-676)	1 0.8		1 1.3									
FETAL DEATHS	128 10.7	36 7.9	92 12.3	3 7.1	2 6.5	1 8.8	1 3.4		1 34.5	5 11.5	4 12.0	1 9.7
INDUCED TERMINATIONS OF PREGNANCY	5,177 430.8	2,612 573.2	2,561 343.4	105 250.0	85 276.9	20 177.0	147 494.9	129 481.3	17 586.2	164 376.1	136 408.4	28 271.8
TOTAL DEATHS	6,494 10.0	3,417 10.2	3,077 9.8	74 3.7	57 3.4	17 4.9	209 10.6	199 11.2	10 5.1	250 7.6	208 7.4	47 8.6
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	5 0.8	1 0.3	4 1.3									
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	37 5.7	12 3.6	25 8.0				1 5.1	1 5.6				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)	1 0.2	1 0.3										
Measles (055)												
Viral hepatitis (070)	6 0.9	4 1.2	2 0.6									
Rocky Mtn. spotted fever (082.0)	1 0.2	1 0.3										
Syphilis (090-097)	1 0.2		1 0.3									
All other infectious & parasitic diseases			1 0.3									
Remainder of 001-139	13 2.0	8 2.4	5 1.6	1 4.9	1 6.0					1 3.0	1 3.7	
Malignant neoplasms (140-206)	1,373 212.4	755 226.2	618 197.7	21 103.8	15 89.3	6 17.4	42 213.4	39 220.0	3 15.8	61 188.7	49 179.1	12 218.9
Lip, oral cavity & pharynx (140-149)	23 3.6	14 4.2	9 2.9							3 9.1	3 11.0	
Digestive organs & peritoneum (150-159)	351 54.3	192 57.5	159 50.9	5 24.7	4 23.8	1 8.1	10 50.8	9 50.8	1 5.1	9 27.4	9 32.9	
Respiratory & intrathoracic organs (160-169)	364 56.3	220 65.9	144 48.1	4 19.8	3 17.9	1 8.1	16 81.3	16 90.3		25 76.1	17 62.1	8 146.0
Breast (174-175)	106 16.4	62 18.6	44 14.1	2 9.9	1 6.0		2 10.2	2 11.3		4 12.2	4 14.6	
Female genital organs (179-184)	97 15.0	45 13.5	52 16.6	1 4.9	1 6.0		2 10.2	2 11.3		5 15.2	4 14.6	1 18.2
Male genital organs (185-187)	78 12.1	31 9.3	47 15.0				1 5.1	1 5.6		4 12.2	3 11.0	1 18.2
Urinary organs (188-189)	56 8.7	40 12.0	16 5.1				1 5.1	1 5.6		3 9.1	1 3.7	2 36.5
Other & unsp. sites (170-173, 190-199)	177 27.4	75 22.5	102 32.6	6 29.7	3 17.9	3 17.9	8 40.6	6 33.8	2 10.5	7 21.3	7 25.6	
Leukemia (204-206)	57 8.8	38 11.4	19 6.1	2 9.9	2 11.9		1 5.1	1 5.6		1 3.0	1 3.7	
Other lymphatic & hematopoietic tissue (200-203)	64 9.9	38 11.4	26 8.3	1 4.9	1 6.0		1 5.1	1 5.6				
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	16 2.5	8 2.4	8 2.6	1 4.9	1 6.0					1 3.0	1 3.7	
Diabetes mellitus (250)	76 11.8	36 10.8	40 12.8	3 14.8	3 17.9		7 35.6	7 39.5		3 9.1	3 11.0	
Nutritional deficiencies (260-269)	2 0.3		2 0.6									
Anemia (280-289)	12 1.9	5 1.5	7 2.2				1 5.1		1 5.6			
Meningitis (320-322)	6 0.9	1 0.3	5 1.6									
Diseases of heart (390-396, 402, 404-429)	2,322 359.2	1,255 376.9	1,064 340.4	17 84.0	15 89.3	2 17.4	75 381.0	72 406.2	3 15.8	66 200.9	56 204.6	10 182.4
Rheumatic fever & rheumatic heart disease (390-396)	15 2.3	12 3.6	3 1.0							1 3.0	1 3.7	
Hypertensive heart disease (402)	131 20.3	43 12.9	88 28.2							2 6.1	1 3.7	1 18.2
Hypertensive heart & renal disease (404)	10 1.5	3 0.9	7 2.2							1 3.0	1 3.7	
Ischemic heart disease (410-414)	1,280 198.0	904 270.8	376 120.3	10 49.4	10 59.5		70 355.6	67 378.0	3 15.8	54 164.4	48 175.4	6 109.5
All other forms of heart disease (415-429)												
Hypertension, with or without renal disease (401, 403)	896 137.1	296 88.7	590 188.8	7 34.6	5 29.2	2 17.4	5 25.4	5 28.2		8 24.4	5 18.3	3 54.7
Cerebrovascular disease (430-438)	650 100.6	340 101.9	310 99.2	8 39.5	4 23.8	1 8.1	26 132.1	25 141.0	1 5.1	31 94.4	28 102.3	3 54.7
Atherosclerosis (440)	75 11.6	38 11.4	37 11.8				1 5.1	1 5.6		1 3.0	1 3.7	
Other diseases of arteries, arterioles & capillaries (441-448)	47 7.3	31 9.3	16 5.1				3 15.2	2 11.3	1 5.1			
Acute bronchitis & bronchiolitis (466)	2 0.3	2 0.6					1 5.1	1 5.6				
Pneumonia (480-486)	151 23.4	82 24.6	69 22.1	3 14.8	3 17.9		3 15.2	3 16.9		9 27.4	8 29.2	1 18.2
Influenza (487)	2 0.3	2 0.6										
Bronchitis, chronic & unsp. (490-491)	6 0.9	5 1.5	1 0.3							1 3.0	1 3.7	
Emphysema (492)	26 4.0	24 7.2	2 0.6	1 4.9	1 6.0		3 15.2	3 16.9		4 12.2	4 14.6	
Asthma (493)	9 1.4	1 0.3	8 2.6									
Other chronic obstructive pulmonary disease & allied conditions (494-496)	134 20.7	102 30.6	32 10.2	2 9.9	2 11.9		3 15.2	3 16.9		4 12.2	3 11.0	1 18.2
Ulcer of stomach & duodenum (531-533)	15 2.3	13 3.9	2 0.6									
Appendicitis (540-543)	3 0.5	1 0.3	2 0.6									
Hernia & intestinal obstruction (560-563, 560)	11 1.7	6 1.8	5 1.6				1 5.1	1 5.6				
Chronic liver disease & cirrhosis (571)	82 12.7	51 15.3	31 9.9				2 10.2	2 11.3		8 24.4	5 18.3	3 54.7
Cholelithiasis & other disorders of gallbladder (574-575)	5 0.8	4 1.2	1 0.3				1 5.1	1 5.6				
Acute glomerulonephritis & nephritic syndrome (580-581)	1 0.2	1 0.3										
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	28 4.3	7 2.1	21 6.7				1 5.1	1 5.6				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	48 7.4	19 5.7	29 9.3				1 5.1	1 5.6		2 6.1		2 36.5
Infections of kidney (590)	11 1.7	9 2.7	2 0.6							2 6.1	1 3.7	1 18.2
Hyperplasia of prostate (600)	1 0.2		1 0.3									
Complications of pregnancy, childbirth & the puerperium (630-676)	1 0.6		1 1.3									
Congenital anomalies (740-759)	63 9.7	25 7.5	38 12.3	2 9.9	2 11.9					3 9.1	1 3.7	2 36.5
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	26 4.0	9 2.7	17 5.4	1 4.9		1 8.1				1 3.0	1 3.7	
Other conditions originating in the perinatal period (760-766, 770-779)	85 13.2	22 6.6	63 20.2	3 14.8	1 6.0	2 17.4	2 10.2	2 11.3		2 6.1	2 7.3	
Symptoms, signs & ill-defined conditions (780-799)	55 8.5	25 7.5	30 9.6				1 5.1	1 5.6		2 6.1	2 7.3	
All other diseases	412 63.7	214 64.1	198 63.3	2 9.9	2 11.9		14 71.1	14 79.0		20 60.9	17 62.1	3 54.7
Motor vehicle accidents (E810-E825)	145 22.4	87 26.1	58 18.6	2 9.9	2 11.9		2 10.2	2 11.3		9 27.4	7 25.6	2 36.5
All other accidents & adverse effects (E800-E807, E826-E849)	249 38.5	90 27.0	159 50.9	3 14.8	3 17.9		11 55.9	11 62.1		10 30.4	6 21.9	4 73.0
Suicide (E850-E859)	91 14.1	71 21.3	20 6.4				4 20.3	4 22.6		3 9.1	2 7.3	1 18.2
Homicide & legal intervention (E860-E878)	153 23.7	34 10.2	119 38.1	3 14.8	2 11.9	1 8.1	3 15.2	2 11.3	1 5.1	3 9.1	1 3.7	2 36.5
All other external causes (E880-E899)	5 0.8	4 1.2	1 0.3									

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	NASHVILLE			OAK RIDGE			RED BANK			SHELBYVILLE		
	All Races 477,811 No. Rate	White 366,448 No. Rate	Other Races 111,363 No. Rate	All Races 27,662 No. Rate	White 25,183 No. Rate	Other Races 2,479 No. Rate	All Races 13,297 No. Rate	White 12,755 No. Rate	Other Races 542 No. Rate	All Races 13,530 No. Rate	White 11,293 No. Rate	Other Races 2,237 No. Rate
LIVE BIRTHS	7,339 15.4	5,134 14.0	2,205 19.8	286 10.3	245 9.7	41 16.5	51 3.8	48 3.8	3 5.5	202 14.9	157 13.9	45 20.1
ILLEGITIMATE BIRTHS	1,759 24.0	540 10.5	1,219 55.3	51 17.8	31 12.7	20 48.6	5 9.8	4 8.3	1	38 18.8	14 8.9	24 53.3
LOW-WEIGHT BIRTHS (Less than 2500 grams)	631 8.6	327 6.4	304 13.8	19 6.6	16 6.5	3 7.3	7 13.7	5 10.4	2	23 11.4	13 8.3	10 22.2
INFANT DEATHS (Under one year of age)	92 12.5	54 10.5	38 17.2	4 14.0	4 16.3		1 19.6	1 20.8				
Neonatal Deaths (Under 28 days of age)	62 8.4	37 7.2	25 11.3	3 10.5	3 12.2		1 19.6	1 20.8				
Under 7 days of age	83	32	21	3	3		1	1				
7-27 days of age	9	5	4									
MATERNAL DEATHS (ICD codes 630-676)	1 1.4		1 4.5									
FETAL DEATHS	53 7.2	30 5.8	23 10.4	4 14.0	2 8.2	2 48.8	2 39.2	2 41.7		1 5.0	1 6.4	
INDUCED TERMINATIONS OF PREGNANCY	3,047 415.2	2,039 397.2	992 449.9	145 507.0	132 538.8	13 317.1	3 58.8	3 62.5		18 89.1	15 95.5	3 68.7
TOTAL DEATHS	4,213 8.8	3,133 8.5	1,079 9.7	188 6.8	173 6.9	15 6.1	103 7.7	103 8.1		148 10.9	130 11.5	18 8.0
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	5 1.0	1 0.3	4 3.6	1 3.6	1 4.0							
Whooping cough (033)												
Streptococcal sore throat, scarletina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	10 2.1	7 1.9	3 2.7									
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)	1 0.2	1 0.3										
All other infectious & parasitic diseases (remainder of 001-139)	18 3.8	10 2.7	8 7.2							1 7.4	1 8.9	
Malignant neoplasms (140-208)	897 187.7	673 183.7	224 201.1	44 159.1	39 154.9	5	14 105.3	14 109.8		28 206.9	28 247.9	
Lip, oral cavity & pharynx (140-149)	25 5.2	16 4.4	9 8.1									
Digestive organs & peritoneum (150-189)	242 50.6	169 46.1	73 65.6	8 28.9	8 31.8		6 45.1	6 47.0		4 29.6	4 35.4	
Respiratory & intrathoracic organs (180-185)	252 52.7	197 53.8	55 49.4	15 54.2	14 55.6	1	1 7.5	1 7.8		8 59.1	8 70.8	
Breast (174-175)	67 14.0	47 12.8	20 18.0	6 21.7	5 19.9	1				4 29.6	4 35.4	
Female genital organs (179-184)	56 11.7	40 10.9	16 14.4	6 21.7	5 19.9	1				4 29.6	4 35.4	
Male genital organs (185-187)	51 10.7	37 10.1	14 12.6	1 3.6	1 4.0		2 15.0	2 15.7		1 7.4	1 8.9	
Urinary organs (188-189)	40 8.4	30 8.2	10 9.0	1 3.6	1 4.0					1 7.4	1 8.9	
Other & unsp. sites (170-173, 190-199)	80 16.7	65 17.7	15 13.5	6 21.7	5 19.9	1	1 7.5	1 7.8		4 29.6	4 35.4	
Leukemia (204-208)	34 7.1	28 7.6	6 5.4				1 7.5	1 7.8		2 14.8	2 17.7	
Other lymphatic & hematopoietic tissue (200-203)	50 10.5	44 12.0	6 5.4	1 3.6		1	3 22.6	3 23.5				
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	15 3.1	12 3.3	3 2.7									
Diabetes mellitus (250)	57 11.9	35 9.6	22 19.8				2 15.0	2 15.7		2 14.8	2 17.7	
Nutritional deficiencies (260-269)	8 1.7	4 1.1	4 3.6				1 7.5	1 7.8				
Anemia (280-285)	7 1.5	4 1.1	3 2.7	1 3.6		1	2 15.0	2 15.7				
Meningitis (320-322)	1 0.2	1 0.3										
Diseases of heart (390-398, 402, 404-429)	1,549 324.2	1,186 324.2	361 324.2	54 195.2	51 202.5	3	51 383.5	51 399.8		61 450.8	52 460.5	9
Rheumatic fever & rheumatic heart disease (390-398)	17 3.6	12 3.3	5 4.5									
Hypertensive heart disease (402)	112 23.4	41 11.3	71 63.8	2 7.2	2 7.9		4 30.1	4 31.4				
Hypertensive heart & renal disease (404)	2 0.4		2 1.8							1 7.4	1 8.9	
Ischemic heart disease (410-414)	1,151 240.9	940 256.5	211 189.5	55 126.5	53 131.0	2	41 308.3	41 321.4		37 273.5	32 283.4	5
All other forms of heart disease (415-429)	267 55.9	195 53.2	72 64.7	17 61.5	16 63.5	1	6 45.1	6 47.0		23 170.0	19 168.2	4
Hypertension, with or without renal disease (401, 403)	13 2.7	5 1.4	8 7.2	1 3.6		1						
Cerebrovascular disease (430-438)	347 72.6	254 69.3	93 83.5	15 54.2	15 59.6		12 90.2	12 94.1		24 177.4	19 168.2	5
Atherosclerosis (440)	71 14.9	55 15.0	16 14.4	2 7.2	2 7.9		2 15.0	2 15.7				
Other diseases of arteries, arterioles & capillaries (441-448)	38 8.0	31 8.5	7 6.3	1 3.6	1 4.0		2 15.0	2 15.7		1 7.4	1 8.9	
Acute bronchitis & bronchiolitis (466)	1 0.2	1 0.3										
Pneumonia (480-486)	91 19.0	68 18.6	23 20.7	3 10.8	3 11.9		2 15.0	2 15.7		3 22.2	3 26.6	
Influenza (487)	3 0.6	3 0.8										
Bronchitis, chronic & unsp. (490-491)	9 1.9	8 2.2	1 0.9	1 3.6	1 4.0							
Emphysema (492)	49 10.3	41 11.2	8 7.2							3 22.2	3 26.6	
Asthma (493)	9 1.9	8 2.2	1 0.9	1 3.6		1	1 7.5	1 7.8				
Other chronic obstructive pulmonary disease & allied conditions (494-496)	80 16.7	65 17.7	15 13.5	6 21.7	6 23.8		1 7.5	1 7.8		1 7.4		1
Ulcer of stomach & duodenum (531-533)	14 2.9	10 2.7	4 3.6	1 3.6	1 4.0							
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)	12 2.5	8 2.2	4 3.6									
Chronic liver disease & cirrhosis (571)	54 11.3	46 12.6	8 7.2	3 10.8	3 11.9					4 29.6	4 35.4	
Cholelithiasis & other disorders of gallbladder (574-575)	12 2.5	11 3.0	1 0.9	1 3.6	1 4.0					1 7.4	1 8.9	
Acute glomerulonephritis & nephrotic syndrome (580-581)	2 0.4	1 0.3	1 0.9									
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	6 1.3	2 0.5	4 3.6							1 7.4	1 8.9	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	27 5.7	8 2.2	19 17.1							2 14.8	2 17.7	
Infections of kidney (590)	9 1.9	7 1.9	2 1.8							1 7.4	1 8.9	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)	1 1.4		1 4.5									
Congenital anomalies (740-759)	30 6.3	28 7.1	4 3.6	1 3.6	1 4.0		2 15.0	2 15.7				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	14 2.9	10 2.7	4 3.6	2 7.2	2 7.9							
Other conditions originating in the perinatal period (760-766, 770-779)	29 6.1	12 3.3	17 15.3									
Symptoms, signs & ill-defined conditions (780-799)	14 2.9	10 2.7	3 2.7	22 79.5	21 83.4	1						
All other diseases	304 63.6	218 59.5	86 77.2	9 32.5	8 31.8	1	2 15.0	2 15.7		4 29.6	3 26.6	1
Motor vehicle accidents (E810-E825)	113 23.6	97 26.5	16 14.4	1 3.6	1 4.0		5 37.6	5 39.2		2 14.8	2 17.7	
All other accidents & adverse effects (E800-E807, E826-E949)	121 25.3	84 22.9	37 33.2	11 39.8	11 43.7		4 30.1	4 31.4		3 22.2	3 26.6	
Suicide (E950-E959)	62 13.0	57 15.6	5 4.5	3 10.8	3 11.9					2 14.8	2 17.7	
Homicide & legal intervention (E960-E978)	94 19.7	41 11.2	53 47.6	3 10.8	1 4.0	2				4 29.6	2 17.7	2
All other external causes (E980-E999)	16 3.3	10 2.7	6 5.4	1 3.6	1 4.0							

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	TULLAHOMA			UNION CITY		
	ALL RACES 15,800 No. Rate	WHITE 14,699 No. Rate	OTHER RACES 1,101 No. Rate	ALL RACES 10,436 No. Rate	WHITE 8,450 No. Rate	OTHER RACES 1,986 No. Rate
LIVE BIRTHS	214 13.6	191 13.0	23 20.9	171 16.4	137 15.0	44 22.3
ILLEGITIMATE BIRTHS	17 7.9	7 3.7	10 43.5	31 18.1	8 6.3	23 52.3
LOW-WEIGHT BIRTHS (Less than 2500 grams)	22 10.3	17 8.9	5 21.7	11 6.4	7 5.5	4 9.1
INFANT DEATHS (Under one year of age)	4 18.7	4 20.9				
Neonatal Deaths (Under 28 days of age)	1 4.7	1 5.2				
Under 7 days of age	1	1				
7-27 days of age						
MATERNAL DEATHS (ICD codes 630-676)						
FETAL DEATHS	2 9.3	2 10.6		3 17.5	3 23.6	
INDUCED TERMINATIONS OF PREGNANCY	33 154.2	29 151.8	3 130.4	16 93.6	14 110.2	2 45.5
TOTAL DEATHS	130 8.2	121 8.2	9 8.2	119 11.4	93 11.0	26 13.1
CAUSE OF DEATH						
Shigellosis & amebiasis (004, 006)						
Certain other intestinal infections (007-009)						
Tuberculosis, all forms (010-018)						
Whooping cough (033)						
Streptococcal sore throat, scarlatina & erysipelas (034-035)						
Meningococcal infection (036)						
Septicemia (038)						
Acute poliomyelitis (045)						
Viral encephalitis (049.8-049.9, 062-064)				1 9.6	1 11.8	
Measles (055)						
Viral hepatitis (070)	1 6.3		1			
Rocky Mtn. spotted fever (082.0)						
Syphilis (090-097)						
All other infectious & parasitic diseases (remainder of 001-138)						
Malignant neoplasms (140-208)	31 196.2	29 197.3	2	18 172.5	16 189.3	2
Lip, oral cavity & pharynx (140-149)						
Digestive organs & peritoneum (150-159)	7 44.3	6 40.8	1	6 57.5	6 71.0	
Respiratory & intrathoracic organs (160-165)	10 63.3	9 61.2	1	2 19.2	2 23.7	
Breast (174-175)	1 6.3	1 6.8		3 28.7	3 35.5	
Female genital organs (179-184)	2 12.7	2 13.6				
Male genital organs (185-187)	1 6.3	1 6.8		1 9.6	1 11.8	
Urinary organs (188-189)	3 19.0	3 20.4				
Other & unsp. sites (170-173, 190-199)	4 25.3	4 27.2		4 38.3	2 23.7	2
Leukemia (204-206)	1 6.3	1 6.8		1 9.6	1 11.8	
Other lymphatic & hematopoietic tissue (200-203)	2 12.7	2 13.6		1 9.6	1 11.8	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 6.3	1 6.8				
Diabetes mellitus (250)	2 12.7	1 6.8	1			
Nutritional deficiencies (260-289)						
Anemias (280-285)	1 6.3	1 6.8				
Meningitis (320-322)						
Diseases of heart (390-398, 402, 404-429)	39 246.8	37 251.7	2	52 498.3	41 485.2	11
Rheumatic fever & rheumatic heart disease (390-398)						
Hypertensive heart disease (402)	1 6.3	1 6.8		3 28.7	2 23.7	1
Hypertensive heart & renal disease (404)						
Ischemic heart disease (410-414)	36 221.5	34 231.3	1	46 440.8	37 437.9	9
All other forms of heart disease (415-429)	3 19.0	2 13.6	1	3 28.7	2 23.7	1
Hypertension, with or without renal disease (401, 403)				1 9.6	1 11.8	
Cerebrovascular disease (430-438)	10 63.3	9 61.2	1	15 143.7	13 153.8	2
Atherosclerosis (440)	3 19.0	2 13.6	1	6 57.5	4 47.3	2
Other diseases of arteries, arterioles & capillaries (441-448)				2 19.2	2 23.7	
Acute bronchitis & bronchiolitis (466)						
Pneumonia (480-486)	5 31.6	5 34.0				
Influenza (487)	1 6.3	1 6.8				
Bronchitis, chronic & unsp. (490-491)						
Emphysema (492)	2 12.7	2 13.6				
Asthma (493)						
Other chronic obstructive pulmonary disease & allied conditions (494-496)	2 12.7	2 13.6		1 9.6	1 11.8	
Ulcer of stomach & duodenum (531-533)	1 6.3	1 6.8				
Appendicitis (540-543)						
Hernia & intestinal obstruction (560-563, 560)				1 9.6		1
Chronic liver disease & cirrhosis (571)	1 6.3	1 6.8		3 28.7	2 23.7	1
Cholelithiasis & other disorders of gallbladder (574-575)						
Acute glomerulonephritis & nephrotic syndrome (580-581)						
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)						
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	2 12.7	2 13.6		1 9.6	1 11.8	
Infections of kidney (590)				2 19.2	2 23.7	
Hyperplasia of prostate (600)						
Complications of pregnancy, childbirth & the puerperium (630-676)						
Congenital anomalies (740-759)	1 6.3	1 6.8		1 9.6	1 11.8	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)						
Other conditions originating in the perinatal period (760-766, 770-779)						
Symptoms, signs & ill-defined conditions (780-799)	5 31.6	5 34.0		1 9.6	1 11.8	
All other diseases	6 50.6	6 54.4		4 38.3	3 35.5	1
Motor vehicle accidents (E810-E825)	6 38.0	6 40.8		1 9.6	1 11.8	
All other accidents & adverse effects (E800-E807, E826-E849)	4 25.3	3 30.4	1	5 47.9	2 23.7	3
Suicide (E850-E859)	2 12.7	2 13.6		1 9.6	1 11.8	
Homicide & legal intervention (E860-E878)	1 6.3	1 6.8		3 28.7		3
All other external causes (E880-E899)	1 6.3	1 6.8				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	(1) FIRST TENNESSEE			(2) EAST TENNESSEE			(3) SOUTHEAST TENNESSEE		
	ALL RACES 418,095 No. Rate	WHITE 408,315 No. Rate	OTHER RACES 9,780 No. Rate	ALL RACES 845,121 No. Rate	WHITE 798,958 No. Rate	OTHER RACES 46,163 No. Rate	ALL RACES 498,719 No. Rate	WHITE 433,034 No. Rate	OTHER RACES 65,685 No. Rate
LIVE BIRTHS	5,177 12.4	5,019 12.3	157 16.1	11,475 13.6	10,635 13.3	839 18.2	7,523 15.1	6,250 14.4	1,272 19.4
ILLEGITIMATE BIRTHS	544 10.5	477 9.5	67 42.7	1,589 13.8	1,137 10.7	452 53.9	1,346 17.9	591 9.5	755 59.4
LOW-WEIGHT BIRTHS (Less than 2500 grams)	356 6.9	338 6.7	18 11.5	785 6.8	681 6.4	104 12.4	552 7.3	390 6.2	162 12.7
INFANT DEATHS (Under one year of age)	75 14.5	72 14.3	3 19.1	141 12.3	127 11.9	14 16.7	85 11.3	69 11.0	16 12.6
Neonatal Deaths (Under 28 days of age)	47 9.1	45 9.0	2 12.7	102 8.9	90 8.5	12 14.3	56 7.4	47 7.5	9 7.1
Under 7 days of age	12	10	2	82	70	12	51	42	9
7-27 days of age	5	5		20	20		5	5	
MATERNAL DEATHS (ICD codes 630-676)	3 5.8	3 6.0		3 2.6	2 1.9	1 11.9	1 1.3	1 1.6	
FETAL DEATHS	49 9.5	48 9.6	1 6.4	94 8.2	79 7.4	15 17.9	64 8.5	45 7.2	19 14.9
INDUCED TERMINATIONS OF PREGNANCY	985 190.3	939 187.1	33 210.2	3,800 331.2	3,407 320.4	377 449.3	1,595 212.0	1,200 192.0	388 305.0
TOTAL DEATHS	3,510 8.4	3,425 8.4	82 8.4	7,256 8.6	6,838 8.6	417 9.0	4,505 9.0	3,840 8.9	664 10.1
CAUSE OF DEATH									
Shigellosis & amebiasis (004, 006)									
Certain other intestinal infections (007-009)	3 0.7	3 0.7		1 0.1	1 0.1				
Tuberculosis, all forms (010-018)	7 1.7	6 1.5	1 10.2	20 2.4	14 1.8	6 13.0	6 1.2	5 1.2	1 1.5
Whooping cough (033)									
Streptococcal sore throat, scarlatina & erysipelas (034-035)	1 0.2	1 0.2		1 0.1	1 0.1				
Meningococcal infection (036)	2 0.5	2 0.5		1 0.1	1 0.1		1 0.2	1 0.2	
Septicemia (038)	9 2.2	9 2.2		18 2.1	15 1.9	3 6.5	17 3.4	12 2.8	5 7.6
Acute poliomyelitis (045)									
Viral encephalitis (049.8-049.9, 062-064)	1 0.2	1 0.2		3 0.4	3 0.4				
Measles (055)									
Viral hepatitis (070)	1 0.2	1 0.2		2 0.2	2 0.3		3 0.6	3 0.7	
Rocky Mtn. spotted fever (082.0)									
Syphilis (090-097)	1 0.2	1 0.2					1 0.2		1 1.5
All other infectious & parasitic diseases (remainder of 001-139)	4 1.0	4 1.0		12 1.4	11 1.4	1 2.2	5 1.0	4 0.9	1 1.5
Malignant neoplasms (140-208)	681 162.9	659 161.4	22 224.9	1,538 182.0	1,445 180.9	93 201.5	895 179.5	759 175.3	136 207.0
Lip, oral cavity & pharynx (140-149)	15 3.6	13 3.2	2 20.4	29 3.4	27 3.4	2 4.3	13 2.6	11 2.5	2 3.0
Digestive organs & peritoneum (150-159)	151 36.1	145 35.5	6 61.3	366 43.3	339 42.4	27 58.5	228 45.7	184 42.5	44 67.0
Respiratory & intrathoracic organs (160-165)	201 48.1	197 48.2	4 40.9	467 55.3	447 55.9	20 43.3	261 52.3	222 51.3	39 59.4
Breast (174-175)	40 9.6	39 9.6	1 10.2	111 13.1	107 13.4	4 8.7	55 11.0	47 10.9	8 12.2
Female genital organs (179-184)	52 12.4	51 12.5	1 10.2	116 13.7	109 13.6	7 15.2	46 9.2	35 8.1	11 16.7
Male genital organs (185-187)	30 7.2	28 6.9	2 20.4	82 9.7	73 9.1	9 19.5	47 9.4	40 9.2	7 10.7
Urinary organs (188-189)	30 7.2	30 7.3		60 7.1	54 6.8	6 13.0	38 7.9	36 8.3	3 4.6
Other & unsp. sites (170-173, 190-199)	85 20.3	84 20.6	1 10.2	181 21.4	170 21.3	11 23.8	103 20.7	93 21.5	10 15.2
Leukemia (204-208)	26 6.2	24 5.9	2 20.4	52 6.2	50 6.3	2 4.3	42 8.4	39 9.0	3 4.6
Other lymphatic & hematopoietic tissue (200-203)	51 12.2	48 11.8	3 30.7	74 8.8	69 8.6	5 10.8	61 12.2	52 12.0	9 13.7
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	7 1.7	7 1.7		19 2.2	19 2.4		13 2.8	13 3.0	
Diabetes mellitus (250)	39 9.3	37 9.1	2 20.4	93 11.0	86 10.8	7 15.2	60 12.0	44 10.2	16 24.4
Nutritional deficiencies (260-269)	5 1.2	5 1.2		10 1.2	10 1.3		16 3.2	12 2.8	4 6.1
Anemias (280-285)	10 2.4	9 2.2	1 10.2	16 1.9	12 1.5	4 8.7	9 1.8	8 1.8	1 1.5
Meningitis (320-322)	3 0.7	3 0.7		5 0.6	5 0.6		2 0.4	2 0.5	
Diseases of heart (390-398, 402, 404-429)	1,379 329.8	1,351 330.9	26 265.8	2,405 284.6	2,294 287.1	110 238.3	1,708 342.5	1,462 337.6	246 374.5
Rheumatic fever & rheumatic heart disease (390-398)	10 2.4	10 2.4		17 2.0	15 1.9	2 4.3	8 1.8	8 1.8	
Hypertensive heart disease (402)	38 9.1	37 9.1	1 10.2	56 6.6	49 6.1	7 15.2	38 7.6	27 6.2	11 16.7
Hypertensive heart & renal disease (404)	9 2.2	9 2.2		8 0.9	6 0.8	2 4.3	10 2.0	8 1.8	2 3.0
Ischemic heart disease (410-414)	996 238.2	979 239.8	15 153.4	1,894 224.1	1,825 228.4	69 149.5	1,381 276.9	1,191 275.0	190 289.3
All other forms of heart disease (415-429)	326 78.0	316 77.4	10 102.2	430 50.9	399 49.9	30 65.0	271 54.3	228 52.7	43 65.5
Hypertension, with or without renal disease (401, 403)	9 2.2	9 2.2		27 3.2	21 2.6	6 13.0	11 2.2	9 2.1	2 3.0
Cerebrovascular disease (430-438)	336 80.4	330 80.8	6 61.3	814 96.3	775 97.0	39 84.5	475 95.2	417 96.3	58 88.3
Atherosclerosis (440)	38 9.1	38 9.3		95 11.2	88 11.0	7 15.2	48 9.6	47 10.9	1 1.5
Other diseases of arteries, arterioles & capillaries (441-448)	44 10.5	43 10.5	1 10.2	60 7.1	56 7.0	4 8.7	35 7.0	30 6.9	5 7.6
Acute bronchitis & bronchiolitis (466)	1 0.2	1 0.2		4 0.5	4 0.5		4 0.8	4 0.9	
Pneumonia (480-486)	104 24.9	102 25.0	2 20.4	186 22.0	175 21.9	11 23.8	106 21.3	96 22.2	10 15.2
Influenza (487)	4 1.0	4 1.0		8 0.9	8 1.0				
Bronchitis, chronic & unsp. (490-491)	12 2.9	12 2.9		24 2.8	24 3.0		12 2.4	10 2.3	2 3.0
Emphysema (492)	26 6.2	25 6.1	1 10.2	50 5.9	49 6.1	1 2.2	33 6.6	32 7.4	1 1.5
Asthma (493)	6 1.4	6 1.5		10 1.2	9 1.1	1 2.2	4 0.8	3 0.7	1 1.5
Other chronic obstructive pulmonary disease & allied conditions (494-496)	70 16.7	70 17.1		159 18.8	155 19.4	4 8.7	84 16.8	79 18.2	5 7.6
Ulcer of stomach & duodenum (531-533)	15 3.6	15 3.7		12 1.4	11 1.4	1 2.2	13 2.6	12 2.8	1 1.5
Appendicitis (540-543)				3 0.4	3 0.4				
Hernia & intestinal obstruction (550-553, 560)	6 1.4	6 1.5		12 1.4	11 1.4	1 2.2	13 2.6	12 2.8	1 1.5
Chronic liver disease & cirrhosis (571)	46 11.0	46 11.3		66 7.8	62 7.8	4 8.7	43 8.6	32 7.4	11 16.7
Cholelithiasis & other disorders of gallbladder (574-578)	8 1.9	8 2.0		22 2.6	22 2.8		8 1.6	6 1.4	2 3.0
Acute glomerulonephritis & nephrotic syndrome (580-581)	1 0.2	1 0.2		2 0.2	2 0.3		1 0.2	1 0.2	
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	8 1.9	7 1.7	1 10.2	17 2.0	16 2.0	1 2.2	13 2.6	7 1.6	6 9.1
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	23 5.5	23 5.6		28 3.3	24 3.0	4 8.7	34 6.8	21 4.8	13 19.8
Infections of kidney (590)	3 0.7	3 0.7		18 2.1	17 2.1	1 2.2	10 2.0	10 2.3	
Hyperplasia of prostate (600)	1 0.2	1 0.2		1 0.1	1 0.1		1 0.2	1 0.2	
Complications of pregnancy, childbirth & the puerperium (630-676)	3 5.8	3 6.0		3 2.6	2 1.9	1 11.9	1 1.3	1 1.6	
Congenital anomalies (740-759)	30 7.2	29 7.1	1 10.2	57 6.7	54 6.8	3 6.5	28 5.6	26 6.0	2 3.0
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	15 3.6	15 3.7		22 2.6	18 2.3	4 8.7	18 3.6	15 3.5	3 4.6
Other conditions originating in the perinatal period (760-766, 770-779)	23 5.5	21 5.1	2 20.4	43 5.1	36 4.5	7 15.2	24 4.8	20 4.6	4 6.1
Symptoms, signs & ill-defined conditions (780-799)	46 11.0	43 10.5	3 30.7	365 43.2	322 40.3	43 83.1	37 7.4	27 6.2	10 15.2
All other diseases	219 52.4	211 51.7	8 81.8	376 44.5	344 44.3	22 47.7	253 51.7	210 48.5	48 73.1
Motor vehicle accidents (E810-E825)	89 21.3	89 21.8		214 25.3	211 26.4	3 6.5	156 31.3	151 34.9	5 7.6
All other accidents & adverse effects (E800-E807, E826-E849)	89 21.3	88 21.6		197 23.3	187 23.4	10 21.7	162 32.5	125 28.9	36 54.8
Suicide (E950-E959)	54 12.9	51 12.5	3 30.7	102 12.1	100 12.5	2 4.3	58 11.6	53 12.2	5 7.6
Homicide & legal intervention (E960-E978)	20 4.8	18 4.4	2 20.4	86 10.2	73 9.1	13 28.2	65 13.0	47 10.9	18 27.4
All other external causes (E980-E999)	8 1.9	8 2.0		29 3.4	29 3.6		14 2.8	11 2.5	3 4.6

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1960

Estimated Population, July 1, 1960	(4) UPPER CUMBERLAND			(5) MID-CUMBERLAND			(6) SOUTH CENTRAL TENNESSEE		
	ALL RACES 241,605 No. Rate	WHITE 236,881 No. Rate	OTHER RACES 4,724 No. Rate	ALL RACES 571,477 No. Rate	WHITE 566,357 No. Rate	OTHER RACES 163,220 No. Rate	ALL RACES 305,639 No. Rate	WHITE 277,556 No. Rate	OTHER RACES 28,083 No. Rate
LIVE BIRTHS	3,288 13.6	3,229 13.6	59 12.5	15,097 15.5	11,859 14.7	3,238 19.8	4,408 14.5	3,963 14.3	445 17.1
ILLEGITIMATE BIRTHS	296 9.0	280 8.7	16 37.1	2,711 18.0	1,033 8.7	1,678 51.8	583 13.2	325 8.2	258 58.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	235 7.1	230 7.1	5 8.5	1,168 7.7	757 6.4	411 12.7	321 7.3	261 6.6	60 13.5
INFANT DEATHS (Under one year of age)	41 12.5	41 12.7	.....	193 12.8	135 11.4	58 17.9	52 11.8	48 12.1	4 9.0
Neonatal Deaths (Under 28 days of age)	27 8.2	27 8.4	.....	124 8.2	89 7.5	35 10.8	37 8.4	36 9.1	1 2.2
Under 7 days of age	20 7	20 7	.....	106 7	80 7	26 9	31 7	30 7	1 2.2
7-27 days of age	7 1	7 1	.....	18 1	9 1	9 1	6 1	6 1	.....
MATERNAL DEATHS (ICD codes 630-676)	1 3.0	1 3.1	.....	2 1.3	1 0.8	1 3.1	1 2.3	1 2.5	.....
FETAL DEATHS	31 9.4	31 9.6	.....	115 7.6	77 6.5	38 11.7	36 8.2	33 8.3	3 6.7
INDUCED TERMINATIONS OF PREGNANCY	568 172.7	541 167.5	26 440.7	4,683 310.2	3,405 287.1	1,244 384.2	592 134.3	506 127.7	84 188.8
TOTAL DEATHS	2,300 9.5	2,252 9.5	48 10.2	7,739 8.0	6,239 7.7	1,499 9.2	2,923 9.6	2,672 9.6	251 9.6
CAUSE OF DEATH									
Shigellosis & amebiasis (004, 006)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Certain other intestinal infections (007-009)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis, all forms (010-018)	4 1.7	4 1.7	.....	10 1.0	6 0.7	4 2.5	6 0.3	5 0.4	1 3.8
Whooping cough (033)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Streptococcal sore throat, scarlatina & erysipelas (034-035)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meningococcal infection (036)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Septicemia (038)	6 2.5	6 2.5	.....	19 2.0	15 1.9	4 2.5	9 0.3	7 2.5	2 7.7
Acute poliomyelitis (045)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral encephalitis (049.5-049.9, 062-064)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles (055)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral hepatitis (070)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mtn. spotted fever (082.0)	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syphilis (090-097)	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other infectious & parasitic diseases (remainder of 001-139)	3 1.2	3 1.3	.....	25 2.6	17 2.1	8 4.9	4 1.3	4 1.4	.....
Malignant neoplasms (140-208)	477 197.4	466 196.7	11 11	1,647 169.5	1,332 164.8	315 193.0	570 187.7	532 191.7	38 145.7
Lip, oral cavity & pharynx (140-149)	9 3.7	9 3.8	.....	40 4.1	29 3.6	11 6.7	20 6.6	18 6.5	2 7.7
Digestive organs & peritoneum (150-159)	97 40.1	97 40.9	.....	417 42.9	321 39.7	96 58.8	128 42.2	115 41.4	13 49.8
Respiratory & intrathoracic organs (160-165)	148 61.3	145 61.2	3 3	471 48.5	385 47.6	86 52.7	167 55.0	160 57.6	7 26.8
Breast (174-175)	26 10.8	26 11.0	.....	117 12.0	92 11.4	25 15.3	39 12.8	37 13.3	2 7.7
Female genital organs (179-184)	27 11.2	27 11.4	.....	98 10.1	76 9.4	22 13.5	29 9.6	26 9.4	3 11.5
Male genital organs (185-187)	33 13.7	30 12.7	3 3	103 10.6	82 10.1	21 12.9	33 10.9	27 9.7	6 23.0
Urinary organs (188-189)	19 7.9	19 8.0	.....	72 7.4	56 6.9	16 9.8	27 8.9	27 9.7	.....
Other & unsp. sites (170-173, 190-199)	66 28.1	64 27.0	4 4	186 19.1	166 20.5	20 12.3	73 24.0	68 24.5	5 19.2
Leukemia (204-206)	22 9.1	21 8.9	.....	66 6.8	56 6.9	10 6.1	27 8.9	27 9.7	.....
Other lymphatic & hematopoietic tissue (200-203)	28 11.6	28 11.8	.....	77 7.9	69 8.5	8 4.9	27 8.9	27 9.7	.....
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	7 2.9	6 2.5	1 1	26 2.7	22 2.7	4 2.5	7 2.3	7 2.5	.....
Diabetes mellitus (250)	25 10.3	23 9.7	2 2	89 9.2	60 7.4	29 17.8	32 10.5	29 10.4	3 11.5
Nutritional deficiencies (260-269)	3 1.2	3 1.3	.....	13 1.3	8 1.0	5 3.1	2 0.7	2 0.7	.....
Anemias (280-285)	2 0.8	2 0.8	.....	14 1.4	9 1.1	5 3.1	8 2.6	6 2.2	2 7.7
Meningitis (320-322)	2 0.8	2 0.8	.....	4 0.4	3 0.4	1 0.6	3 1.0	3 1.1	.....
Diseases of heart (390-398, 402, 404-429)	870 360.1	855 360.9	15 15	2,800 288.2	2,307 285.4	493 302.0	1,168 384.7	1,080 389.1	88 337.4
Rheumatic fever & rheumatic heart disease (390-398)	10 4.1	10 4.2	.....	26 2.7	20 2.5	6 3.7	4 1.3	4 1.4	.....
Hypertensive heart disease (402)	16 6.6	16 6.8	.....	137 14.1	59 7.3	78 47.8	25 8.2	23 8.3	2 7.7
Hypertensive heart & renal disease (404)	7 2.9	7 3.0	.....	4 0.4	1 0.1	3 1.8	7 2.3	7 2.5	.....
Ischemic heart disease (410-414)	703 291.0	690 291.3	13 13	2,125 218.7	1,826 225.9	299 183.2	877 288.8	816 294.0	61 233.9
All other forms of heart disease (415-429)	134 55.5	132 55.7	2 2	508 52.3	401 49.6	107 65.6	255 84.0	230 82.9	25 95.8
Hypertension, with or without renal disease (401, 403)	4 1.7	4 1.7	.....	23 2.4	14 1.7	9 5.5	8 2.6	7 2.5	1 3.8
Cerebrovascular disease (430-438)	230 95.2	224 94.6	6 6	712 73.3	573 70.9	139 85.2	282 92.9	242 87.2	40 153.4
Atherosclerosis (440)	39 16.1	38 16.0	1 1	124 12.8	103 12.7	21 12.9	49 16.1	43 15.5	6 23.0
Other diseases of arteries, arterioles & capillaries (441-448)	25 10.3	25 10.8	.....	63 6.5	52 6.4	11 6.7	16 5.3	16 5.8	.....
Acute bronchitis & bronchiolitis (466)	2 0.8	2 0.8	.....	2 0.2	2 0.2	.....	.....	.....	.....
Pneumonia (480-486)	70 29.0	69 29.1	1 1	177 18.2	144 17.8	33 20.2	80 26.3	75 27.0	5 19.2
Influenza (487)	5 2.1	5 2.1	.....	5 0.5	4 0.5	1 0.6	6 2.0	6 2.2	.....
Bronchitis, chronic & unsp. (490-491)	4 1.7	4 1.7	.....	23 2.4	21 2.6	2 1.2	5 1.6	5 1.8	.....
Emphysema (492)	17 7.0	17 7.2	.....	72 7.4	64 7.9	8 4.9	19 6.3	17 6.1	2 7.7
Asthma (493)	2 0.8	2 0.8	.....	13 1.3	12 1.5	1 0.6	2 0.7	2 0.7	.....
Other chronic obstructive pulmonary disease & allied conditions (494-496)	46 19.0	46 19.4	.....	146 15.0	128 15.8	18 11.0	45 14.8	41 14.8	4 15.3
Ulcer of stomach & duodenum (531-533)	6 2.5	5 2.1	1 1	27 2.8	22 2.7	5 3.1	7 2.3	7 2.5	.....
Appendicitis (540-543)	1 0.4	1 0.4	.....	1 0.1	1 0.1	.....	1 0.3	1 0.4	.....
Hernia & intestinal obstruction (550-553, 560)	2 0.8	2 0.8	.....	19 2.0	14 1.7	5 3.1	4 1.3	3 1.1	1 3.8
Chronic liver disease & cirrhosis (571)	25 10.3	25 10.6	.....	102 10.5	88 10.9	14 8.6	35 11.5	34 12.2	1 3.8
Cholelithiasis & other disorders of gallbladder (574-575)	4 1.7	4 1.7	.....	18 1.9	16 2.0	2 1.2	8 2.6	7 2.5	1 3.8
Acute glomerulonephritis & nephrotic syndrome (580-581)	.....	.....	.....	3 0.3	2 0.2	1 0.6	1 0.3	1 0.4	.....
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	6 2.5	6 2.5	.....	14 1.4	8 1.0	6 3.7	7 2.3	5 1.8	2 7.7
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	8 3.3	8 3.4	.....	57 5.9	27 3.3	30 17.4	30 9.9	23 8.3	7 26.8
Infections of kidney (590)	6 2.5	6 2.5	.....	19 2.0	16 2.0	3 1.8	4 1.3	4 1.4	.....
Hypertrophy of prostate (600)	.....	.....	.....	1 0.1	1 0.1	.....	1 0.3	1 0.4	.....
Complications of pregnancy, childbirth & the puerperium (630-676)	1 3.0	1 3.1	.....	2 1.3	1 0.8	1 3.1	1 2.3	1 2.5	.....
Congenital anomalies (740-759)	16 6.6	16 6.8	.....	58 6.0	51 6.3	7 4.3	25 8.2	23 8.3	2 7.7
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	8 3.3	8 3.4	.....	31 3.2	25 3.1	6 3.7	6 2.0	6 2.2	.....
Other conditions originating in the perinatal period (760-766, 770-779)	12 5.0	12 5.1	.....	63 6.5	40 4.9	23 14.1	15 4.9	14 5.0	1 3.8
Symptoms, signs & ill-defined conditions (780-799)	29 12.0	27 11.4	2 2	55 5.7	48 5.9	6 3.7	48 15.8	38 13.7	10 38.3
All other diseases	135 55.9	130 54.9	5 5	498 51.3	381 47.1	117 71.7	143 47.1	133 47.9	10 38.3
Motor vehicle accidents (E810-E825)	83 34.4	83 35.0	.....	238 24.5	211 26.1	27 16.5	82 27.0	78 27.4	6 23.0
All other accidents & adverse effects (E800-E807, E826-E849)	61 25.2	61 25.8	.....	242 24.9	186 23.0	56 34.3	101 33.3	87 31.3	14 53.7
Suicide (E950-E959)	28 11.6	28 11.8	.....	122 12.6	113 14.0	9 5.5	43 14.2	43 15.5	.....
Homicide & legal intervention (E960-E978)	18 7.5	15 6.3	3 3	132 13.6	68 8.5	63 38.6	19 6.3	16 5.8	3 11.5
All other external causes (E980-E999)	8 3.3	8 3.4	.....	26 2.7	20 2.5	6 3.7	16 5.3	16 5.8	.....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED TERMINATIONS OF PREGNANCY, AND DEATHS BY CAUSE (9th Rev. ICD), WITH RATES, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1980

Estimated Population, July 1, 1980	(7) NORTHWEST TENNESSEE						(8) SOUTHWEST TENNESSEE						(9) MEMPHIS					
	All Races 244,045 No. Rate	White 213,426 No. Rate	Other Races 30,619 No. Rate	All Races 291,306 No. Rate	White 213,567 No. Rate	Other Races 77,739 No. Rate	All Races 291,306 No. Rate	White 213,567 No. Rate	Other Races 77,739 No. Rate	All Races 291,306 No. Rate	White 213,567 No. Rate	Other Races 77,739 No. Rate	All Races 291,306 No. Rate	White 213,567 No. Rate	Other Races 77,739 No. Rate	All Races 291,306 No. Rate	White 213,567 No. Rate	Other Races 77,739 No. Rate
LIVE BIRTHS	3,299	13.5	2,703	12.7	596	19.5	4,823	15.9	2,975	13.9	1,848	21.2	4,984	18.3	6,334	14.2	7,875	23.7
ILLEGITIMATE BIRTHS	552	16.7	218	8.1	334	56.0	1,106	23.9	196	6.7	908	55.1	4,984	35.1	382	6.0	4,602	58.4
LOW-WEIGHT BIRTHS (Less than 2500 grams)	260	7.9	185	6.8	75	12.6	378	8.2	167	5.6	211	12.8	1,464	10.3	364	5.7	1,100	14.0
INFANT DEATHS (Under one year of age)	42	12.7	28	10.4	14	23.5	68	14.7	36	12.1	32	19.4	232	16.3	69	10.9	163	20.7
Neonatal Deaths (Under 28 days of age)	29	8.8	21	7.8	8	13.4	40	8.7	17	5.7	23	14.0	164	11.5	52	8.2	112	14.2
Under 7 days of age	23	7.1	15	5.5	8	13.4	34	7.3	17	5.7	17	10.6	133	9.5	39	6.1	94	11.9
7-27 days of age	6	1.8	3	1.1	3	4.7	6	1.3	6	2.0	6	3.4	31	2.2	13	2.0	18	2.3
MATERNAL DEATHS (ICD codes 630-676)	1	0.3	1	0.4	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
FETAL DEATHS	29	8.8	16	5.9	13	21.8	44	9.5	17	5.7	27	16.4	138	9.7	44	6.9	94	11.9
INDUCED TERMINATIONS OF PREGNANCY	513	155.5	414	153.2	99	164.4	798	172.6	515	173.1	283	171.7	5,528	389.0	2,911	459.6	2,613	331.8
TOTAL DEATHS	2,787	11.4	2,421	11.3	366	12.0	2,788	9.6	2,028	9.5	760	9.8	6,906	8.9	3,701	8.3	3,204	9.7
CAUSE OF DEATH																		
Shigellosis & amebiasis (004, 006)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Certain other intestinal infections (007-009)	2	0.8	2	0.9	2	3.4	2	0.7	2	0.9	2	1.2	2	1.4	2	0.3	2	2.6
Tuberculosis, all forms (010-018)	1	0.3	1	0.4	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Whooping cough (053)	1	0.3	1	0.4	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Streptococcal sore throat, scarlatina & erysipelas (054-055)	1	0.3	1	0.4	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Meningococcal infection (036)	1	0.3	1	0.4	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Septicemia (038)	13	5.3	13	6.1	13	21.8	12	4.1	8	3.7	4	5.1	39	5.0	13	2.9	26	7.8
Acute poliomyelitis (045)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Viral encephalitis (049.8-049.9, 062-064)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Measles (065)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Viral hepatitis (070)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Rocky Mtn. spotted fever (082.0)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Syphilis (090-097)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
All other infectious & parasitic diseases (remainder of 001-139)	5	2.0	4	1.9	1	3.3	5	1.7	3	1.4	2	2.6	15	1.9	10	2.2	5	1.5
Malignant neoplasms (140-208)	521	213.5	468	219.3	53	173.1	507	174.0	379	177.5	128	164.7	1,468	188.9	828	185.9	640	193.0
Lip, oral cavity & pharynx (140-149)	8	3.3	8	3.7	7	23.5	7	2.4	6	2.8	1	1.3	23	3.0	14	3.1	9	2.7
Digestive organs & peritoneum (150-159)	156	63.9	142	66.5	14	45.7	119	40.9	85	39.8	34	43.7	379	48.8	212	47.6	167	50.4
Respiratory & intrathoracic organs (160-189)	126	51.6	123	57.6	3	9.8	138	47.4	116	54.3	22	28.3	384	49.4	239	53.7	145	43.7
Breast (174-179)	34	13.9	29	13.6	5	16.3	36	12.4	26	12.2	10	12.9	112	14.4	66	14.8	48	13.9
Female genital organs (179-184)	25	10.2	18	8.4	7	22.9	27	12.7	22	10.3	15	19.3	99	12.7	47	10.6	52	15.7
Male genital organs (185-187)	32	13.1	26	12.2	6	19.6	33	11.3	20	9.4	13	16.7	84	10.8	34	7.6	50	15.1
Urinary organs (188-189)	18	7.4	16	7.5	2	6.5	20	6.9	16	7.5	4	5.1	57	7.3	41	9.2	16	4.8
Other & unsp. sites (170-173, 190-199)	62	25.4	48	22.5	14	45.7	74	25.4	58	27.2	16	20.6	196	25.2	90	20.2	106	32.0
Leukemia (204-206)	36	14.8	34	15.9	2	6.5	22	7.6	18	8.4	4	5.1	65	8.4	43	9.7	22	6.6
Other lymphatic & hematopoietic tissue (200-203)	24	9.8	24	11.2	1	3.3	21	7.2	12	5.6	9	11.6	69	8.9	42	9.4	27	8.1
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	7	2.9	4	1.9	3	9.8	8	2.7	4	1.9	4	5.1	18	2.3	10	2.2	8	2.4
Diabetes mellitus (250)	44	18.0	29	13.6	15	49.0	47	16.1	25	11.7	22	28.3	85	10.9	42	9.4	43	13.0
Nutritional deficiencies (260-269)	5	2.0	5	2.3	1	3.3	4	1.4	2	0.9	2	2.6	2	0.3	2	0.3	2	0.6
Anemias (280-285)	4	1.6	2	0.9	2	6.5	3	1.0	2	0.9	1	1.3	13	1.7	5	1.1	8	2.4
Meningitis (320-322)	1	0.3	1	0.4	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Diseases of heart (390-398, 402, 404-429)	1,080	442.5	970	454.5	110	359.3	988	342.6	747	349.8	251	322.9	2,464	317.1	1,353	303.7	1,111	335.0
Rheumatic fever & rheumatic heart disease (400-401)	5	2.0	5	2.3	1	3.3	3	1.0	3	1.4	1	1.3	17	2.2	14	3.1	3	0.9
Hypertensive heart disease (402)	23	9.4	16	7.5	7	22.9	25	8.6	11	5.2	14	18.0	134	17.2	44	9.9	90	27.1
Hypertensive heart & renal disease (404)	4	1.6	4	1.8	4	13.1	6	2.1	3	1.4	3	3.9	10	1.3	3	0.7	7	2.1
Ischemic heart disease (410-414)	911	373.3	826	387.0	85	277.6	828	284.2	649	303.9	179	230.3	1,374	178.8	978	219.5	396	119.4
All other forms of heart disease (415-429)	137	56.1	123	57.6	14	45.7	136	46.7	81	37.9	55	70.7	929	119.5	314	70.5	615	185.4
Hypertension, with or without renal disease (401, 403)	12	4.9	11	5.2	1	3.3	22	7.6	11	5.2	11	14.1	33	4.2	8	1.8	25	7.5
Cerebrovascular disease (430-438)	385	157.8	324	151.8	61	199.2	390	133.9	285	133.4	105	135.1	686	88.3	364	81.7	322	97.1
Atherosclerosis (440)	66	27.0	58	27.2	8	26.1	30	10.3	26	12.2	4	5.1	81	10.4	41	9.2	40	12.1
Other diseases of arteries, arterioles & capillaries (441-448)	20	8.2	16	7.5	4	13.1	32	11.0	26	12.2	6	7.7	47	6.0	31	7.0	16	4.8
Acute bronchitis & bronchiolitis (466)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Pneumonia (480-486)	55	22.5	46	21.6	9	29.4	61	20.8	46	21.5	15	19.3	161	20.7	90	20.2	71	21.4
Influenza (487)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Bronchitis, chronic & unsp. (490-491)	3	1.2	3	1.4	1	3.3	5	1.7	5	2.3	2	2.6	6	0.8	5	1.1	1	0.3
Emphysema (492)	13	5.3	13	6.1	1	3.3	11	3.8	11	5.2	1	1.3	28	3.6	26	5.8	2	0.6
Asthma (493)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Other chronic obstructive pulmonary disease & allied conditions (494-496)	56	22.9	54	25.3	2	6.5	89	23.7	57	26.7	12	15.4	147	18.9	111	24.9	36	10.9
Ulcer of stomach & duodenum (531-533)	5	2.0	5	2.3	1	3.3	5	1.7	5	2.3	1	1.3	16	2.1	13	2.9	3	0.9
Appendicitis (540-543)	6	2.5	2	0.9	4	13.1	3	1.0	3	1.4	1	1.3	3	0.4	1	0.2	2	0.6
Hernia & intestinal obstruction (560-563, 569)	7	2.9	5	2.3	2	6.5	4	1.4	3	1.4	1	1.3	14	1.8	6	1.3	6	2.4
Chronic liver disease & cirrhosis (571)	23	9.4	17	8.0	6	19.6	28	9.6	21	9.8	7	9.0	83	10.7	52	11.7	31	9.3
Cholelithiasis & other disorders of gallbladder (574-575)	6	2.5	5	2.3	1	3.3	3	1.0	2	0.9	1	1.3	5	0.6	4	0.9	1	0.3
Acute glomerulonephritis & nephrotic syndrome (580-581)	1	0.4	1	0.5	1	1.7	1	0.2	1	0.3	1	0.6	1	0.7	1	0.2	1	1.3
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	3	1.2	2	0.9	1	3.3	9	3.1	5	2.3	4	5.1	28	3.8	7	1.6	21	6.3
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	15	6.1	10	4.7	5	16.3	21	7.2	10	4.7	11	14.1	50	6.4	20	4.5	30	9.0
Infections of kidney (590)	13	5.3	10	4.7	3	9.8	4	1.4	1	0.5	3	3.9	11	1.4	9	2.0	2	0.6
Hyperplasia of prostate (600)	5	2.0	5	2.3	1	3.3	1	0.3	1	0.5	1	1.3	1	0.1	1	0.2	1	0.3
Complications of pregnancy, childbirth & the puerperium (630-676)	19	7.8	15	7.0	4	13.1	18	6.2	12	5.6	6	7.7	66	8.5	28	6.3	38	11.5
Congenital anomalies (740-769)	7	2.9	4	1.9	3	9.8	6	2.1	3	1.4	3	3.9	29	3.7	11	2.5	18	5.4
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	13	5.3	9	4.2	4	13.1	28	9.6	11	5.2	17	21.9	91	11.7	26	5.8	65	19.6

TABLE IX—BIRTHS AND DEATHS IN HOSPITALS WITH PERCENTAGES, FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, RESIDENT AND RECORDED DATA, TENNESSEE, 1980

CITY OR COUNTY	BIRTHS						DEATHS						COUNTY	BIRTHS						DEATHS					
	Resident			Recorded			Resident			Recorded				Resident			Recorded			Resident			Recorded		
	Total	In Hospital		Total	In Hospital		Total	In Hospital		Total	In Hospital			Total	In Hospital		Total	In Hospital		Total	In Hospital		Total	In Hospital	
		No.	Per- cent		No.	Per- cent		No.	Per- cent		No.	Per- cent			No.	Per- cent		No.	Per- cent		No.	Per- cent		No.	Per- cent
THE STATE	69,102	68,384	99.0	72,867	72,002	98.8	40,713	25,239	62.0	43,153	27,578	63.9	Grundy	220	190	86.4	115	53	46.1	121	64	52.9	48	12	25.0
CITY													Hambien	676	671	99.3	1,017	1,016	99.9	368	278	75.5	387	311	80.4
Hamilton	4,446	4,417	99.3	5,713	5,689	99.6	2,717	1,586	58.4	3,105	1,980	63.1	Hancock	93	91	97.8	52	50	96.2	69	44	63.6	38	22	57.9
Total	32,706	32,485	99.3	57,477	57,177	99.5	19,869	12,077	60.8	29,937	20,731	69.2	Hardeman	370	369	99.7	121	120	99.2	237	151	63.7	221	130	58.8
Athens	192	192	100.0	556	556	100.0	135	86	63.7	260	165	63.5	Hardin	278	278	99.3	2	.....	.....	218	138	63.3	193	110	57.0
Bristol	269	269	100.0	1,085	1,085	100.0	242	155	64.0	509	396	77.8	Hawkins	581	577	99.3	177	174	98.3	335	240	71.6	156	76	48.9
Chattanooga	2,890	2,868	99.2	4,152	4,132	99.5	1,865	1,087	58.3	2,746	1,772	64.5	Haywood	350	341	97.4	248	236	96.0	204	133	65.2	163	96	58.9
Clarksville	1,130	1,129	99.9	1,162	1,161	99.9	317	200	63.1	416	270	64.9	Henderson	360	355	98.6	196	194	98.0	235	149	63.4	174	88	50.6
Cleveland	402	399	99.3	1,073	1,070	99.7	272	169	62.1	426	283	66.4	Henry	372	368	98.9	378	375	99.2	323	212	65.6	287	183	63.8
Columbia	421	414	98.3	913	909	99.6	247	130	52.6	430	243	56.5	Hickman	201	188	93.5	3	.....	.....	151	102	67.5	67	30	44.3
Cookeville	218	217	99.5	835	833	99.8	147	82	55.8	351	220	62.7	Houston	104	104	100.0	90	90	100.0	70	45	64.3	60	38	63.8
Dyersburg	263	263	100.0	910	909	99.9	192	136	70.8	361	238	66.9	Humphreys	212	209	98.6	128	127	99.2	168	124	74.7	99	68	68.7
East Ridge	130	130	100.0	1,557	1,557	100.0	182	123	67.6	143	109	76.2	Jackson	102	99	97.1	89	86	96.6	94	59	62.8	76	42	55.3
Elizabethton	150	150	100.0	325	325	100.0	125	76	60.8	287	156	54.4	Jefferson	407	404	99.3	216	216	100.0	239	147	61.5	200	107	53.5
Gallatin	310	310	100.0	455	455	100.0	141	92	65.2	301	162	53.8	Johnson	187	185	98.9	88	86	97.7	140	87	62.1	112	58	51.8
Greeneville	197	197	100.0	773	773	100.0	167	112	67.1	458	345	75.3	Knox	4,205	4,182	99.5	6,367	6,343	99.6	2,832	1,452	51.3	3,745	2,254	60.2
Humboldt	166	165	99.4	92	91	98.9	124	80	64.5	128	73	57.0	Lake	117	116	99.1	1	.....	.....	95	52	54.7	31	.....	.....
Jackson	797	793	99.5	2,678	2,673	99.8	543	375	69.1	1,019	798	78.3	Lauderdale	436	432	99.1	4	1	25.0	250	168	67.2	158	82	51.9
Johnson City	450	446	99.1	1,686	1,682	99.8	463	298	64.4	1,139	932	81.8	Lawrence	499	470	94.2	581	557	95.9	336	227	67.6	288	192	66.7
Kingsport	362	360	99.4	1,635	1,633	99.9	362	245	68.6	934	738	79.0	Lewis	185	110	59.5	257	66	25.7	87	44	50.6	53	19	35.8
Knoxville	2,296	2,284	99.4	3,335	3,322	99.6	1,918	972	50.7	2,384	1,461	61.3	Lincoln	373	372	99.7	213	212	99.5	262	169	64.5	199	119	59.8
Lebanon	205	204	99.5	314	314	100.0	159	125	78.6	247	196	79.4	Loudon	366	363	99.2	88	86	97.7	244	154	63.1	160	73	45.6
McMinnville	161	161	100.0	353	353	100.0	139	91	65.5	240	152	63.3	McMinn	604	600	99.3	706	702	99.4	394	245	62.2	408	248	60.3
Maryville	264	262	99.2	724	722	99.7	211	126	59.7	508	291	57.3	McNairy	348	346	99.4	483	481	99.6	225	139	61.8	162	82	60.6
Memphis	12,017	11,901	99.0	17,149	16,941	98.8	6,494	3,999	61.6	8,798	6,196	70.4	Macon	231	231	100.0	26	26	100.0	165	102	61.8	101	53	52.5
Millington	420	418	99.5	2	.....	.....	74	48	64.9	11	.....	.....	Madison	1,190	1,185	99.6	2,679	2,673	99.8	720	474	65.8	1,040	798	76.7
Morristown	297	295	99.3	1,016	1,016	100.0	209	168	80.4	379	311	82.1	Marion	336	328	97.6	1	.....	.....	220	143	65.0	194	114	58.8
Murfreesboro	436	433	99.3	1,257	1,255	99.8	250	165	66.0	369	259	70.2	Marshall	285	279	97.9	128	122	95.3	215	132	61.4	208	114	54.5
Nashville- Davidson County**	7,339	7,305	99.5	10,756	10,729	99.7	4,213	2,523	59.9	5,831	4,113	70.5	Maury	755	740	98.0	917	909	99.1	462	287	57.8	460	243	52.8
Oak Ridge	286	284	99.3	1,203	1,200	99.8	188	105	55.9	419	293	69.9	Meigs	101	100	99.0	1	.....	.....	61	33	54.1	16	.....	.....
Red Bank	51	51	100.0	.....	.....	.....	103	60	58.3	90	79	87.8	Monroe	437	435	99.5	243	241	99.2	252	153	60.7	195	104	53.3
Shelbyville	202	202	100.0	293	293	100.0	148	100	77.6	243	146	60.1	Montgomery	1,620	1,617	99.8	1,163	1,181	99.8	528	325	61.6	481	270	56.1
Tullahoma	214	213	99.5	428	428	100.0	130	83	63.8	191	110	57.6	Moore	55	53	96.4	2	.....	.....	36	22	61.1	1	.....	.....
Union City	171	170	99.4	750	750	100.0	119	66	55.5	319	224	70.2	Morgan	254	253	99.6	1	.....	.....	134	86	64.2	38	.....	.....
COUNTY (Including Cities)													Obion	456	454	99.6	753	750	99.6	358	212	59.2	361	224	62.0
Anderson	883	880	99.7	1,230	1,227	99.8	515	302	58.6	558	334	59.9	Overton	249	243	97.6	281	276	98.2	186	138	71.5	171	125	73.1
Bedford	406	404	99.0	297	293	98.7	276	172	62.3	251	146	58.2	Perry	92	77	83.7	30	22	73.3	78	57	73.1	63	45	71.4
Benton	201	201	100.0	.....	.....	.....	181	127	70.2	182	130	71.4	Pickett	73	72	98.6	1	.....	.....	37	23	62.2	12	.....	.....
Bledsoe	114	113	99.1	56	55	98.2	90	52	57.8	57	28	49.1	Polk	186	185	99.5	106	105	99.1	131	86	65.6	96	56	58.3
Bloount	1,038	1,028	99.0	732	722	98.6	622	367	59.0	565	291	51.5	Putnam	585	581	99.3	838	833	99.4	396	239	60.5	389	220	56.6
Bradley	1,009	1,003	99.4	1,076	1,070	99.4	472	287	60.8	459	283	61.7	Rhea	387	383	99.0	272	269	98.9	218	137	62.8	159	83	52.2
Campbell	533	532	99.8	505	504	99.8	356	243	68.3	342	233	68.1	Roane	623	623	100.0	364	364	100.0	431	301	69.8	366	225	61.5
Cannon	142	134	94.4	104	88	84.6	87	65	74.7	75	53	70.7	Robertson	610	605	99.2	240	235	97.9	330	210	63.6	286	151	52.8
Carroll	393	390	99.2	261	259	99.2	335	240	71.6	249	158	63.5	Rutherford	1,289	1,272	98.7	1,270	1,255	98.8	538	340	63.2	527	330	62.6
Carter	637	633	99.4	330	325	98.5	400	250	62.5	306	156	51.0	Scott	329	318	96.7	222	215	96.8	174	117	67.2	156	102	65.4
Cheatham	316	309	97.8	6	.....	.....	149	70	47.0	54	.....	.....	Sequitahie	120	113	94.2	121	121	100.0	81	48	59.3	92	43	46.7
Chester	162	159	98.1	3	.....	.....	110	63	57.3	42	.....	.....	Sevier	575	565	98.3	188	182	96.8	354	219	61.9	268	121	45.1
Claiborne	360	360	100.0	164	164	100.0	242	169	69.8	211	137	64.9	Shelby	14,212	14,087	99.1	17,740	17,529	98.8	6,905	4,254	61.6	8,887	6,211	69.9
Clay	82	82	100.0	11	11	100.0	83	48	57.8	62	31	50.0	Smith	198	198	100.0	240	240	100.0	164	128	78.0	145	110	75.9
Cocke	372	365	98.4	293	261	89.1	295	175	59.3	212	94	44.3	Stewart	93	91	97.8	2	.....	.....	84	44	52.4	27	.....	.....
Coffee	543	533	98.2	597	592	99.2	325	208	63.4	338	182	53.8	Sullivan	1,707	1,703	99.8	2,732	2,728	99.9	1,111	737	66.3	1,521	1,134	74.6
Crockett	185	184	99.5	.....	.....	.....	149	87	58.4	51	.....	.....	Sumner	1,310	1,304	99.5	1,063	1,057	99.4	530	340	64.2	449	248	55.2
Cumberland	386	381	98.7	555	548	98.7	257	173	67.3	340	237	69.7	Tipton	551	547	99.3	143	139	97.2	252	170	67.5	183	108	59.0
Davidson**	7,339	7,305	99.5	10,756	10,729	99.7	4,213	2,523	59.9	5,831	4,113	70.5	Trousdale	98	98	100.0	.....	.....	.....	62	49	79.0	43	31	72.1
Decatur	140	138	98.6	24	23	95.8	113	83	73.5	101	73	72.3	Unicoi	193	192	99.5	1	.....	.....	159	114	71.7			

** See explanation on page 10 of this Bulletin.

TABLE X—SELECTED RECORDED DATA REGARDING BIRTHS, FETAL DEATHS, AND DEATHS FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, TENNESSEE, 1980

CITY OR COUNTY	LIVE BIRTHS						FETAL DEATHS						DEATHS					
	TOTAL		In hospital	Not in Hospital Attended By			TOTAL		In hospital	Not in Hospital Attended By			TOTAL		Neonatal (Under 28 days)		Infant (Under 1 year)	
				Physician	Mid-wife†	Other or un-specified				Physician	Mid-wife†	Other or un-specified						
	No.	Rate*	No.	Rate†	No.	Rate†	No.	Rate†	No.	Rate†	No.	Rate†	No.	Rate†	No.	Rate†		
THE STATE	72,867	15.9	71,002	376	345	144	650	8.9	642	6	1	1	43,153	9.4	743	10.2	1,075	14.8
City—Total	57,477	28.2	57,177	218	31	51	514	8.9	511	3			29,937	14.7	621	10.8	872	15.2
Athens	556	46.0	556				9	16.2	9				280	21.5	2	3.6	2	3.6
Bristol	1,095	45.7	1,095				11	10.0	11				509	21.2	9	8.2	13	11.9
Chattanooga	4,152	24.5	4,132	15		5	40	9.6	40				2,746	16.2	44	10.6	70	16.9
Clarksville	1,162	21.2	1,161			1	13	11.2	13				418	7.6	10	8.6	13	11.2
Cleveland	1,073	40.6	1,070	2		1	5	4.7	5				426	16.1	3	2.8	6	5.6
Columbia	913	34.6	909	1	2	1	6	6.6	6				430	16.3	1	1.1	4	4.4
Cookeville	835	40.7	833		1	1	9	10.8	9				351	17.1	3	3.6	6	7.2
Dyersburg	910	57.4	909			1	8	8.8	8				361	22.8	7	7.7	9	9.9
East Ridge	1,557	73.3	1,557				10	6.4	10				143	6.7	8	5.1	8	5.1
Elizabethton	325	26.1	325				6	18.5	6				287	23.1	1	3.1	2	6.2
Gallatin	455	26.5	455				1	2.2	1				301	17.5	3	6.6	6	13.2
Greeneville	773	54.8	773				5	6.5	5				458	32.5	6	7.8	6	7.8
Humboldt	92	9.0	91		1		2	21.7	1	1			128	12.5	1	10.9	3	32.6
Jackson	2,678	54.5	2,673	4		1	21	7.8	20	1			1,019	20.7	18	6.7	23	8.6
Johnson City	1,686	42.4	1,682		4		15	8.9	15				1,139	28.7	21	12.5	28	16.6
Kingsport	1,635	51.1	1,633		1	1	15	9.2	15				934	29.2	5	3.1	12	7.3
Knoxville	3,335	19.1	3,322	2	8	3	21	6.3	21				2,384	13.6	29	8.7	38	11.4
Lebanon	314	26.4	314				3	9.6	3				247	20.8	1	3.2	3	9.6
McMinnville	353	33.0	353				1	2.8	1				240	22.5	2	5.7	3	8.5
Maryville	724	41.4	722		1	1	9	12.4	9				508	29.1	1	1.4	6	8.3
Memphis	17,149	26.5	16,941	185		23	182	10.6	181	1			8,796	13.6	263	15.3	355	20.7
Millington	2	0.1		1		1							11	0.5				
Morristown	1,016	51.6	1,016				8	7.9	8				379	19.3	7	6.9	9	8.9
Murfreesboro	1,257	38.3	1,255	1	1		4	3.2	4				389	11.2	7	5.6	10	8.0
Nashville-Davidson Co.**	10,756	22.5	10,729	6	12	9	91	8.5	91				5,831	12.2	160	14.9	222	20.6
Oak Ridge	1,203	43.5	1,200	1		2	8	6.7	8				419	15.1	5	4.2	8	6.7
Red Bank													90	6.8				
Shelbyville	293	21.7	293				3	10.2	3				243	18.0	1	3.4	1	3.4
Tullahoma	428	27.1	428				1	2.3	1				191	12.1	1	2.3	4	9.3
Union City	750	71.9	750				7	9.3	7				319	30.6	2	2.7	2	2.7
COUNTY—(Including Cities)																		
Anderson	1,230	18.3	1,227	1		2	9	7.3	9				558	8.3	6	4.9	9	7.3
Bedford	297	10.6	293		1	3	3	10.1	3				251	9.0	1	3.4	1	3.4
Benton													182	12.2				
Eldredge	58	5.9	55		1								57	6.0			1	17.9
Blount	732	9.4	722		7	3	9	12.3	9				565	7.3	1	1.4	6	8.2
Bradley	1,076	15.9	1,070	5		1	6	5.6	5	1			459	6.8	3	2.8	8	7.4
Campbell	505	14.5	504	1			4	7.9	4				342	9.8			2	4.0
Cannon	104	10.2	88		14	2							75	7.3				
Carroll	261	9.2	259	1		1	2	7.7	2				249	8.8	2	7.7	5	19.2
Carter	330	6.6	325	3		2	6	18.2	6				306	6.1	1	3.0	2	6.1
Cheatham	6	0.3				6							54	2.5			1	
Chester	3	0.2			2	1							42	3.3				
Claiborne	164	6.7	164				1	6.1	1				211	8.6			1	6.1
Clay	11	1.4	11										62	8.1				
Cocke	293	10.2	261		31	1	3	10.2	3				212	7.4	2	6.8	2	6.8
Coffee	597	15.6	592		2	3	4	6.7	4				338	8.8	2	3.4	6	10.1
Crockett													51	3.4				
Cumberland	555	19.4	548		6	1	6	10.8	6				340	11.9	5	9.0	7	12.6
Davidson**	10,756	22.5	10,729	6	12	9	91	8.5	91				5,831	12.2	160	14.9	222	20.6
Decatur	24	2.2	23			1							101	9.3			3	125.0
DeKalb	216	15.9	213		3		1	4.6			1		138	10.2	1	4.6	1	4.6
Dickson	331	11.0	331				2	6.0	2				292	9.7			1	3.0
Dyer	912	26.3	909	1		2	8	8.8	8				374	10.8	7	7.7	9	9.9
Fayette	239	9.4	234	2	3		3	12.6	3				158	6.2	1	4.2	5	20.9
Fentress	111	7.5	106		2	3	1	9.0	1				84	5.7				
Franklin	446	13.9	444		2		5	11.2	5				253	7.9	2	4.5	2	4.5
Gibson	386	7.8	385		1		6	15.5	5	1			516	10.4	1	2.6	4	10.4
Giles	204	8.3	201	1		2							199	8.1	2	9.8	2	9.8
Grainger	2	0.1		1		1							37	2.2				
Greene	773	14.2	773				5	6.5	5				543	10.0	6	7.8	6	7.8

* Rate per 1,000 population.

†Includes certified nurse midwife, midwife, and nurse-midwife.

‡Rate and ratio per 1,000 live births. These rates and ratios are not calculated when the number of births is less than 10.

**See explanation on page 10 of this Bulletin.

TABLE X (Continued)—SELECTED RECORDED DATA REGARDING BIRTHS, FETAL DEATHS, AND DEATHS FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, TENNESSEE, 1980

CITY OR COUNTY	LIVE BIRTHS						FETAL DEATHS						DEATHS					
	TOTAL		In hospital	Not in Hospital Attended By			TOTAL		In hospital	Not in Hospital Attended By			TOTAL		Neonatal (Under 28 days)		Infant (Under 1 year)	
				Physician	Mid-wife#	Other or unspecified				Physician	Mid-wife#	Other or unspecified						
	No.	Rate*					No.	Ratio†					No.	Rate*	No.	Rate†	No.	Rate†
Grundy	115	8.3	53	61		1						48	3.5					
Hamblen	1,017	20.6	1,016				8	7.9	8			387	7.8	7	6.9	9	8.8	
Hamilton	5,713	19.9	5,689	17	1	6	50	8.8	50			3,105	10.8	52	9.1	79	13.8	
Hancock	52	7.6	50		1	1	1	19.2	1			38	5.5			1	19.2	
Hardeman	121	5.1	120		1							221	9.3			1	8.3	
Hardin	2	0.1		1		1						193	8.7			1		
Hawkins	177	4.0	174			3	2	11.3	2			156	3.6	2	11.3	6	33.9	
Haywood	248	12.2	238		7	3	2	8.1	2			163	8.0	3	12.1	4	16.1	
Henderson	198	9.3	194		3	1	2	10.1	2			174	8.1			5	25.3	
Henry	378	13.2	375		2	1	3	7.9	3			287	10.0					
Hickman	3	0.2		1		2						67	4.4					
Houston	90	13.1	90				1	11.1	1			60	8.7					
Humphreys	128	8.0	127	1			1	7.8	1			99	6.2	1	7.8	2	15.6	
Jackson	89	9.5	86		2	1						76	8.1					
Jefferson	216	6.9	216									200	6.4	2	9.3	3	13.9	
Johnson	88	6.4	86	2								112	8.1			1	11.4	
Knox	6,367	19.9	6,343	5	16	3	55	8.6	55			3,745	11.7	107	16.8	125	19.6	
Lake	1	0.1		1								31	4.2			1		
Lauderdale	4	0.2	1	1	2							158	6.4					
Lawrence	581	17.0	557	18	4	2	3	5.2	3			288	8.4	4	6.9	4	6.9	
Lewis	257	26.5	66	35	156		3	11.7	2	1		53	5.5					
Lincoln	213	8.0	212			1	4	18.8	4			199	7.5					
Loudon	88	3.1	86	1		1						160	5.6					
McMinn	706	16.9	702		1	3	9	12.7	9			408	9.7	2	2.8	3	4.2	
McNairy	483	21.4	481			2	7	14.5	7			162	7.2	1	2.1	2	4.1	
Macon	26	1.7	26									101	6.4			1	38.5	
Madison	2,679	35.9	2,673	5		1	22	8.2	20	1	1	1,040	14.0	18	6.7	24	9.0	
Marion	1	x		1								194	7.9			1		
Marshall	128	6.5	122		2	4	2	15.6	2			208	10.6			1	7.8	
Maury	917	17.9	909	2	3	3	6	6.5	6			480	9.0	1	1.1	4	4.4	
Meigs	1	0.1				1						16	2.2					
Monroe	243	8.5	241	1		1						195	6.8	2	8.2	4	16.5	
Montgomery	1,163	14.0	1,161			2	13	11.2	13			481	5.8	10	8.6	13	11.2	
Moore	2	0.4			1	1						1	0.2					
Morgan	1	0.1			1							38	2.3					
Obion	753	23.0	750		3		7	9.3	7			361	11.0	2	2.7	2	2.7	
Overton	281	16.0	276		5							171	9.7			1	3.6	
Perry	30	4.9	22	4	1	3						63	10.3					
Pickett	1	0.2			1							12	2.8			1		
Folk	106	7.8	105	1			1	9.4	1			96	7.1	1	9.4	1	9.4	
Putnam	838	17.6	833	1	3	1	9	10.7	9			389	8.2	3	3.6	6	7.2	
Rhea	272	11.2	269	3			3	11.0	3			159	6.6	2	7.4	2	7.4	
Roane	364	7.5	364				4	11.0	4			366	7.6	2	5.5	3	8.2	
Robertson	240	6.5	235	1	1	3	5	20.8	5			286	7.7	1	4.2	3	12.5	
Rutherford	1,270	15.1	1,255	1	10	4	4	3.1	4			527	6.3	7	5.5	12	9.4	
Scott	222	11.5	215		6	1	2	9.0	2			156	8.1			1	4.5	
Sequatchie	121	14.1	121				1	8.3	1			92	10.7			1	8.3	
Sevier	188	4.5	182		5	1	1	5.3	1			268	6.5	1	5.3	3	16.0	
Shelby	17,740	22.8	17,529	186		25	183	10.3	182	1		8,887	11.4	263	14.8	356	20.1	
Smith	240	16.1	240				4	16.7	4			145	9.7					
Stewart	2	0.2			2							27	3.1			1		
Sullivan	2,732	19.0	2,728	1	1	2	26	9.5	26			1,521	10.6	14	5.1	25	9.2	
Sumner	1,063	12.4	1,057		2	4	5	4.7	5			449	5.2	3	2.8	6	5.6	
Tipton	143	4.3	139	1	2	1	3	21.0	2	1		183	5.6	2	14.0	3	21.0	
Trousdale												43	7.0					
Unicoi	1	0.1			1							83	5.1					
Union	3	0.3			1	2						37	3.2					
Van Buren	1	0.2				1						9	1.9					
Warren	353	10.8	353				1	2.8	1			252	7.7	2	5.7	3	8.5	
Washington	1,690	19.0	1,682		8		15	8.9	15			1,233	13.9	21	12.4	29	17.2	
Wayne	39	2.8	37	1		1						91	6.5			2	51.3	
Weakley	262	8.0	261	1			1	3.8	1			283	8.6	1	3.8	3	11.5	
White	123	6.3	123				1	8.1	1			167	8.5	1	8.1	2	16.3	
Williamson	354	6.1	351		1	2	2	5.6	2			277	4.8	1	2.8	4	11.3	
Wilson	319	5.7	314		2	3	3	9.4	3			316	5.6	1	3.1	4	12.5	

* Rate per 1,000 population.

#Includes certified nurse midwife, midwife, and nurse-midwife.

†Rate and ratio per 1,000 live births. These rates and ratios are not calculated when the number of births is less than 10.

x Rate less than 0.05.

TABLE XI—NUMBER OF INDUCED ABORTIONS BY RACE OF WOMAN, BY COUNTY,
RESIDENT AND RECORDED DATA, TENNESSEE, 1980

COUNTY	Induced Abortions						COUNTY	Induced Abortions					
	Resident			Recorded				Resident			Recorded		
	All Races	White	All Other Races	All Races	White	All Other Races		All Races	White	All Other Races	All Races	White	All Other Races
THE STATE	119,086	13,840	5,147	23,274	17,199	5,950	Lake	16	13	3			
Anderson	261	248	13	1	1		Lauderdale	58	42	16			
Bedford	151	41	9				Lawrence	49	49				
Benton	136	35					Lewis	16	15	1			
Bledsoe	17	17					Lincoln	9	8	1			
Blount	310	292	18	9	7	2	Loudon	1106	103	2			
Bradley	1168	149	18				McMinn	1139	131	7			
Campbell	183	80	2				McNairy	33	29	4	2	2	
Cannon	15	15					Macon	23	23				
Carroll	73	60	13				Madison	281	182	99	6	6	
Carter	43	43		79	75	4	Marion	47	43	4	6	6	
Chestam	56	54	2				Marshall	35	31	4			
Chester	31	23	8				Maury	152	117	35			
Claiborne	31	31					Meigs	8	8				
Clay	5	5					Monroe	94	88	6			
Coke	193	81	9				Montgomery	1329	237	83			
Coffee	1115	105	9				Moore	7	7				
Crockett	29	20	9				Morgan	37	37				
Cumberland	64	64					Obion	41	37	4	2	1	1
Davidson*	13,047	2,039	992	16,627	5,033	1,531	Overton	18	17	1			
Decatur	15	14	1				Perry	5	5				
DeKalb	16	16					Pickett	3	3				
Dickson	79	68	11				Polk	20	20				
Dyer	61	47	14				Putnam	225	216	9	83	80	3
Fayette	77	28	49				Rhea	54	50	4			
Fentress	17	17					Roane	176	161	15			
Franklin	58	51	7	31	28	3	Robertson	199	78	20			
Gibson	97	64	33	6	5	1	Rutherford	1406	342	60	31	28	3
Giles	53	36	17				Scott	33	33				
Grainger	38	36	2				Sequatchie	11	11				
Greene	1119	112	6				Sevier	174	172	2			
Grundy	17	17					Shelby	15,528	2,911	2,613	19,058	5,494	3,559
Hamblen	1182	100	21				Smith	31	31				
Hamilton	11,114	754	355	11,806	1,392	406	Stewart	15	14	1			
Hancock	9	9					Sullivan	1401	382	13	213	206	7
Hardeman	48	34	14				Sumner	1260	233	24	4	2	2
Hardin	40	35	5				Tipton	89	61	28			
Hawkins	193	88	4				Trousdale	10	9	1			
Haywood	69	24	45				Unicoi	18	18				
Henderson	57	43	14				Union	19	17	2			
Henry	66	55	11	2	1	1	Van Buren	6	6				
Hickman	23	23					Warren	192	80	11			
Houston	7	6	1				Washington	1290	275	10	23	22	1
Humphreys	49	48	1				Wayne	19	18	1			
Jackson	8	8					Weakley	94	83	11			
Jefferson	87	83	4				White	45	40	5			
Johnson	12	12		2	2		Williamson	1159	138	20	1	1	
Knox	12,076	1,785	281	15,282	4,807	424	Wilson	167	139	28			

* Includes one or more events with race not stated.

† Includes events for Tennessee residents with county not stated.

TABLE XII—SELECTED DATA ON MARRIAGES AND DIVORCES BY RECORDED COUNTY AND ON PERSONS MARRIED BY RESIDENT COUNTY, TENNESSEE, 1980

COUNTY	Marriages Recorded			Divorces Recorded			MARRIAGES ACCORDING TO RESIDENCE												
	Persons Married			Person Divorced			Persons Married					Grooms					Brides		
							All Races		White		All Other Races								
	No.	Rate*	No.	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	All Races	White	All Other Races	All Races	White	All Other Races		
Total	159,176	118.352	25.8	30,283	60,566	13.2	118,352	25.8	105,942	27.6	12,338	16.3	159,176	152,922	6,230	159,176	153,020	6,108	
Anderson	889	1,778	26.4	396	792	11.8	1,558	23.1	1,532	23.9	26	7.9	736	725	11	822	807	15	
Bedford	419	838	30.0	205	410	14.7	665	23.8	629	25.3	36	11.8	325	307	18	340	322	18	
Benton	162	324	21.7	96	192	12.9	293	19.7	283	19.5	9	21.9	146	141	5	147	142	4	
Bledsoe	67	134	14.1	47	94	9.9	159	16.8	157	17.2	2	5.7	79	77	2	80	80	0	
Blount	764	1,528	19.6	660	1,320	17.0	1,706	21.9	1,682	22.2	40	13.7	1,846	1,824	20	1,860	1,838	20	
Bradley	820	1,640	18.4	596	1,196	17.7	1,154	17.1	1,127	17.5	27	8.6	561	548	13	593	579	14	
Campbell	2,945	5,890	168.7	213	426	12.2	771	22.1	768	22.2	3	10.7	375	372	3	396	396	0	
Cannon	331	662	64.7	43	86	8.4	169	16.5	167	16.7	2	9.4	76	76	0	93	91	2	
Carroll	372	744	26.3	140	280	9.6	667	23.6	603	24.2	64	19.2	321	292	29	346	311	35	
Carter	522	1,044	20.8	184	368	7.3	857	17.1	852	17.2	5	9.0	420	418	2	437	434	3	
Cheatham	252	504	23.3	125	250	11.6	1,402	18.6	392	18.7	8	12.4	1,202	1,198	4	1,200	1,194	5	
Chester	161	322	25.3	290	580	45.6	2,355	18.5	214	18.9	20	14.3	116	105	11	1,119	1,099	9	
Clairborne	881	1,762	71.6	139	278	11.3	1,500	20.3	497	20.5	1	2.5	1,254	1,253	1	1,248	1,244	1	
Clay	514	1,028	133.9	26	52	6.8	117	16.2	117	15.5	0	0	62	62	0	65	65	4	
Cocle	454	908	31.5	192	384	13.3	655	22.7	646	23.1	9	11.7	322	317	5	333	329	4	
Coffee	400	800	20.9	245	490	12.8	980	22.4	843	23.0	17	10.7	424	416	8	436	427	9	
Crockett	152	304	20.3	69	138	9.2	514	21.0	282	23.3	32	11.2	151	135	16	163	147	16	
Cumberland	460	920	32.1	138	276	9.5	628	21.9	603	21.9	1	2.5	305	305	0	323	322	1	
Davidson	4,722	9,444	19.8	3,821	7,642	16.0	11,387	23.8	9,727	26.5	1,658	14.9	15,614	14,777	836	15,773	14,950	820	
Decatur	139	278	25.6	51	102	9.4	282	26.0	279	27.0	3	5.9	141	140	1	141	139	2	
DeKalb	200	400	29.4	70	140	10.3	309	22.7	300	22.6	9	29.3	152	146	6	157	154	3	
Dickson	329	658	21.9	210	420	14.0	1,591	19.7	571	20.2	19	11.0	1,299	1,290	9	1,292	1,281	11	
Dyer	471	942	27.2	328	656	18.9	879	25.4	814	26.7	65	15.5	427	398	29	452	416	36	
Fayette	268	536	21.2	249	498	19.7	1,382	15.1	231	18.5	148	11.5	1,189	1,118	71	1,193	1,115	78	
Fentress	355	710	47.9	87	174	11.7	306	20.6	306	20.7	0	0	147	147	0	159	159	77	
Franklin	289	578	18.1	192	384	12.0	563	17.6	539	18.2	24	10.0	274	262	12	289	277	12	
Gibson	578	1,156	23.3	270	540	10.9	1,112	22.5	980	24.1	152	15.9	546	468	78	566	492	74	
Giles	246	492	20.0	156	312	12.7	1,112	22.5	980	24.1	152	15.9	546	468	78	566	492	74	
Grainger	140	280	16.7	85	170	10.1	1,344	20.5	340	20.5	3	11.4	216	197	19	222	201	21	
Greene	622	1,244	22.9	412	824	15.1	1,262	23.2	1,246	23.5	14	9.9	617	612	5	645	634	9	
Grundy	137	274	19.9	67	134	9.7	268	19.4	266	19.3	2	11.8	135	135	0	132	131	0	
Hamblen	723	1,446	29.3	385	770	15.6	1,225	24.8	1,188	25.4	36	14.1	602	586	16	623	602	20	
Hamilton	2,396	4,792	16.7	2,284	4,568	15.9	4,296	14.9	3,739	16.3	557	9.6	2,110	1,832	278	2,186	1,907	279	
Hancock	119	238	34.6	22	44	6.4	1129	18.7	127	18.6	1	11	65	64	1	164	164	0	
Hardeman	232	464	19.4	140	280	11.7	1,411	17.2	274	18.2	136	15.4	199	137	62	212	137	74	
Hardin	197	394	17.7	143	286	12.8	1,347	15.6	340	16.0	6	5.8	175	172	3	172	168	3	
Hawkins	387	774	17.7	218	436	10.0	1,608	18.4	789	18.4	15	15.4	402	397	5	403	392	10	
Haywood	192	384	18.9	136	272	12.7	473	22.1	449	23.1	24	12.4	236	225	11	237	224	13	
Henderson	292	584	27.3	136	272	12.7	473	22.1	449	23.1	24	12.4	236	225	11	237	224	13	
Henry	323	646	22.5	184	368	12.8	601	21.4	534	21.0	67	20.7	303	272	31	298	262	36	
Hickman	126	252	16.6	73	146	9.6	267	17.6	260	18.2	7	8.5	129	126	3	138	134	4	
Houston	73	146	21.2	15	30	4.4	154	22.4	151	23.1	3	4.5	159	157	2	176	175	1	
Humphreys	168	336	21.1	27	54	3.4	335	21.0	332	21.7	3	4.5	159	157	2	176	175	1	
Jackson	172	344	36.6	48	96	10.2	192	20.4	192	20.5	0	0	99	99	0	99	99	0	
Jefferson	321	642	20.5	182	364	11.6	713	22.8	704	23.3	9	8.8	366	363	3	347	341	6	
Johnson	185	370	24.0	113	226	16.4	271	19.7	271	19.9	0	0	132	132	0	139	139	0	
Knox	3,650	7,300	22.8	2,558	5,116	16.0	11,386	23.1	6,890	23.9	492	15.9	13,662	13,403	257	13,724	13,477	235	
Lake	112	224	30.0	42	84	11.0	1,600	21.5	149	24.8	11	7.6	80	75	5	80	74	6	
Lauderdale	336	672	27.4	199	398	16.2	575	17.4	458	27.3	117	15.0	280	219	61	295	239	56	
Lawrence	339	678	19.9	192	384	11.3	1,583	17.1	571	17.0	10	16.9	286	278	6	298	293	5	
Lewis	109	218	22.5	60	120	12.4	206	21.2	205	21.6	1	4.4	103	103	0	103	102	1	
Lincoln	285	570	21.5	138	276	10.4	505	19.1	482	20.3	23	8.5	249	239	10	256	243	13	
Loudon	343	686	24.0	210	420	14.7	708	24.8	704	25.1	4	8.0	348	347	1	360	357	3	
McIntosh	512	1,024	24.5	273	546	13.0	896	21.4	852	21.5	44	19.6	449	427	22	447	425	22	
McNairy	237	474	21.0	198	396	17.6	421	18.7	400	19.0	21	14.1	206	198	8	215	202	13	
Macon	183	366	23.3	100	200	12.7	1,293	18.7	290	18.6	1	11	141	140	1	152	150	2	
Madison	759	1,518	20.4	552	1,104	14.8	1,594	21.2	1,242	23.9	342	15.1	777	613	164	807	629	178	
Marion	258	516	21.1	170	340	12.0	397	16.3	393	16.9	4	3.5	189	187	2	208	206	2	
Marshall	258	516	26.2	144	288	14.6	387	18.6	368	20.8	19	9.5	195	186	9	192	182	10	
Maury	490	980	19.2	317	634	12.4	1,006	19.7	142	19.5	133	15.5	499	433	66	507	439	67	
Meigs	78	156	21.0	36	72	9.7	143	19.2	142	19.5	1	6.6	71	71	0	71	71	0	
Monroe	320	640	22.3	177	354	12.3	618	21.5	607	21.9	11	11.5	311	305	6	307	302	5	
Montgomery	1,271	2,542	30.5	709	1,418	17.0	11,824	21.9	1,584	23.9	239	14.1	819	733	86	11,005	851	153	
Moore	169	338	20.4	98	196	11.8	338	20.4	338	20.6	4	18.4	47						

S7520-2

STATE OF TENNESSEE
DEPARTMENT OF HEALTH AND ENVIRONMENT
NASHVILLE

Annual Bulletin
of
VITAL STATISTICS
FOR THE YEAR
1981

Hon. Lamar Alexander
Governor of Tennessee

James E. Word
Commissioner

This report was partially supported by contract number HRA 233-79-2059 awarded by the U.S. Department of Health and Human Services in support of the Cooperative Health Statistics System of the National Center for Health Statistics. However, no official endorsement or reflection of the views of the Department should be inferred.

Authorization No. 343054. Copies printed 725. This public document was promulgated at a cost of \$13.73 per copy.

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VITAL STATISTICS — 1981

STATE OF TENNESSEE

INTRODUCTION

Data from vital records for Tennessee for 1981 are given in this *Vital Statistics Bulletin*, the 55th in a series of annual reports. Data regarding births and deaths are now available for the State for 65 consecutive years, 1917-1981. Reports of births, fetal deaths, total deaths, and deaths by specific causes for counties and certain cities of the State are in manuscript form for the 10 years 1917-1926. Beginning with 1946, data regarding marriages and divorces are included in the Bulletins. Although data regarding induced abortions performed in Tennessee were first available beginning with July 1973, the *Vital Statistics Bulletin* for 1978 was the first to include such data. (See page 8, item 4.)

An analysis of the vital statistics of Tennessee for the year 1981 is given in the Discussion of Vital Statistics of this Bulletin. Following the analysis, summary tables are presented for the State for the 20 years 1962-1981, inclusive, and also detailed tables for 1981 for the State, the 95 counties, the 37 cities with populations of 10,000 or more according to the 1980 Census, and the 9 health department regions into which the State is divided (Figure 1).

Since resident data (by place of residence) are considered preferable to recorded data (by place of birth or death), resident data for births and deaths have been given for the State, for the counties, and for the cities beginning with the 1949 Bulletin and for the nine health department regions beginning with the 1972 annual report. Prior to 1949, recorded data were given in summary tables for the State. For the cities and counties, both recorded and resident data were given for deaths for 1933-1948 and for births for 1934-1948. The numbers of births and deaths with rates according to place of occurrence in 1981 are given in Table X.

The data in this Bulletin include all vital events occurring during 1981 which were reported to the Center for Health Statistics of the Tennessee Department of Health and Environment as of March 31, 1982.

INTERPRETATION

Many factors must be considered for the correct interpretation of vital statistics. Completeness of registration is one of these factors. According to the 1950 birth registration test, 96.7 percent of the births reported to census enumerators for the 3 months, January-March, 1950 were registered. In the previous check in 1940, only 80.4 percent were registered. With the increased use of hospitals for delivery, it is estimated that 99 percent of the births in Tennessee are now being registered. However, there remain a few areas in the State where the registration of both births and deaths may not be complete. Also, characteristics peculiar to a certain area, such as proximity to a military

base, affect the vital statistics of that area. In addition, knowledge of the racial and age composition of the population is important for proper interpretation.

The methods of collection and presentation of data are as follows:

1. The Tennessee Vital Records Act as amended in 1977 requires the physician, midwife, or other person attending a birth to file a birth certificate with the Office of Vital Records within 10 days after birth. The funeral director, or person burying a body, is responsible for filing a death certificate within 5 days after death. A representative of the local health department usually serves as the local registrar and a clerk of that department as a deputy registrar to carry out registration procedures locally. The certificates are forwarded to the Tennessee Department of Health and Environment weekly by the four metropolitan counties and semi-monthly by the other counties. Tennessee was admitted to the Death Registration Area in 1917 and to the Birth Registration Area in 1927.

2. Since July 1, 1945, certificates of marriage and divorce have been required to be filed with the Tennessee Department of Health and Environment. Persons to be married obtain from the county clerk, in addition to the marriage license, a certificate of marriage which is signed by both applicants in the presence of the county clerk issuing the marriage license. This certificate is taken to the officiant who completes and returns it to the county clerk within 3 days after the marriage. The county clerk sends the completed certificates to the state registrar monthly. Tennessee was one of the states admitted to the Marriage Registration Area at the time of its establishment in 1957.

The clerk of the court in which a divorce is granted is responsible for filing a certificate of the divorce decree (or annulment of marriage) issued by his court. The Divorce Registration Area was established in 1958 with Tennessee included in the area.

3. The Tennessee Vital Records Act of 1977 (which became effective January 1, 1978) requires that fetal deaths occurring in Tennessee and meeting a certain criterion should be reported directly to the Office of Vital Records of the Tennessee Department of Health and Environment within 10 days after delivery and should be filed as statistical reports rather than as certificates. (The previous law required registration, as for deaths, of fetal deaths of 20 weeks or more gestation.) Under the new law, to be reported as a fetal death, the fetus must be of 20 completed weeks or more gestation or weigh 350 grams or more. If the fetal death occurs in an institution, the report should be prepared by the person in charge or his designated representative; if the fetal death

occurs outside an institution, the report should be prepared by the physician in attendance or by the medical examiner in the absence of medical attendance.

The General Assembly of the State of Tennessee amended the Vital Records Act of 1977 in regard to the reporting criterion for a fetal death; as of April 12, 1979, a fetal death of 500 grams or more, or, in the absence of weight, of 22 completed weeks of gestation or more which is not alive at delivery is reportable. Because of this new reporting criterion, caution should be exercised in making any comparison of fetal death statistics for 1980 and 1981 with those for previous years.

4. In May 1973, the Tennessee Legislature amended the State law regarding induced abortion to comply with the United States Supreme Court's decision which provided that the only legal restriction on first trimester abortions was that the procedure be performed by or under the direction of a licensed physician and that the individual states should regulate induced abortion following the first trimester of pregnancy. The new Tennessee law provided that second trimester abortions must be performed in hospitals and that third trimester procedures be allowed only to preserve the life or health of the mother. (Prior to this legislation induced abortions were illegal in Tennessee except to preserve the life of the mother.) In addition, the new State law required that all induced abortions be reported to the Commissioner of Health and Environment. Accordingly in July 1973, the Tennessee Department of Health and Environment initiated the use of the Induced Abortion Report form to collect basic statistical data (no identifying information) on each induced abortion performed in Tennessee. This report form which was used through 1977 was filed and processed monthly in the Center for Health Statistics of the Department.

The Vital Records Act of 1977 stated that each induced abortion which occurred in Tennessee should be reported to the Office of Vital Records within 10 days after the procedure. Thus, as a result of a procedural change in reporting (but no change in the definition of the event), induced abortions became a part of the reporting system of vital events in Tennessee in 1978.

5. The certificates for registration of births, deaths, marriages, and divorces and the reports for fetal deaths and induced abortions were revised effective January 1, 1978. This revision was made in accordance with recommendations of the National Center for Health Statistics and is part of a program which periodically assesses the adequacy of current vital records to fulfill the various purposes in public health and related fields. The previous general revision of certificates was in 1968.

6. The medical portion of the death certificate is filled out by the physician who attended the deceased in his last illness. The 1961 Legislature passed the Post-Mortem Examination Act which provides for county medical examiners who investigate deaths which occur without medical attendance or under suspicious, unusual, or unnatural circumstances.

7. Beginning with 1979 events, the underlying causes of death have been classified under the title numbers of the *Ninth Revision of the International Classification of Diseases*. For the period 1968-1978, data were classified under the title numbers of the *Eighth Revision of the International Classification*; and for the ten years 1958-1967, the *Seventh Revision*.

Because the *Ninth Revision* represents some major changes from the groupings of diseases in the *Seventh* and *Eighth Revisions*, some regrouping of deaths by cause for the years prior to 1979 has been made in this Bulletin. Data for

Category Title According to Ninth Revision	International Classification Code Numbers	
	Ninth Revision	Eighth Revision
Shigellosis and Amebiasis	004.006	004.006
Tuberculosis, All Forms	010-018	010-018
Respiratory System	010-012	010-012
Whooping Cough	033	033
Streptococcal Sore Throat, Scarlatina, and Erysipelas	034-035	034-035
Meningococcal Infection	036	036
Viral Encephalitis	049.8-049.9, 062-064	062-065
Measles	055	055
Viral Hepatitis	070	070, E931.1-E931.2, E931.8-E931.9
Rocky Mountain Spotted Fever	082.0	082.0
Syphilis	090-097	090-097
Malignant Neoplasms, All Sites	140-208	140-207
Digestive Organs and Peritoneum	150-159	150-159
Respiratory and Intrathoracic Organs	160-165	160-163, 194.2
Breast	174-175	174
Female Genital Organs	179-184	180-184
Male Genital Organs	185-187	185-187
Diabetes Mellitus	250	250
Diseases of Heart	390-398, 402, 404-429	390-398, 402, 404-429, 450, 782.4
Ischemic Heart Disease	410-414	410-413
Cerebrovascular Disease	430-438	430-438
Atherosclerosis	440	440
Pneumonia	480-486	486-486
Influenza	487	470-474
Chronic Obstructive Pulmonary Disease and Allied Conditions	490-496	490-493, 516.1, 516.2, 518, 519.3
Hernia and Intestinal Obstruction	550-553, 560	550-553, 560
Chronic Liver Disease and Cirrhosis	571	571
Cholelithiasis and Other Disorders of Gallbladder	574-575	574-575
Nephritis, Nephrotic Syndrome and Nephrosis	580-589	580-584
Complications of Pregnancy, Childbirth and the Puerperium	630-676	630-678
Congenital Anomalies	740-759	740-759
Certain Conditions Originating in the Perinatal Period	760-779	760-769, 2, 769.4-772, 774-778
Accidents and Adverse Effects	E800-E949	E800-E949
Motor Vehicle Accidents	E810-E825	E810-E823
Suicide	E950-E959	E950-E959
Homicide and Legal Intervention	E960-E978	E960-E978

selected causes of death given in Tables II and III are shown according to category titles of the *Ninth Revision*. In order to fit as nearly as possible the deaths by cause for the years prior to 1979 into the same categories as those for 1979-1981, a correspondence of code numbers for the *Eighth* and *Ninth Revisions* was used. This correspondence is shown on page 8.

Caution should be exercised in making any comparison of mortality by cause for deaths for 1979-1981 with that for previous years.

8. In order to improve the data on causes of death, physicians signing the death certificates are asked to give additional information for certificates with unsatisfactory terms or incomplete statements of causes of death. Additional information is also obtained regarding the circumstances under which accidental deaths occurred. Supplemental data regarding deaths from motor vehicle accidents are obtained from the Tennessee Department of Safety.

9. Resident data are given for the State, for the cities, for the counties, and for the nine health department regions. Resident data are obtained by classifying certificates and reports according to the residence of the deceased for deaths and according to the residence of the mother for births and fetal deaths.

Copies of death certificates of Tennessee residents dying in other states and copies of certificates of births and reports of fetal deaths occurring in other states to mothers who are residents of Tennessee are forwarded to Tennessee in the interstate transfer of these certificates/reports. Thus, it is possible for each state to derive birth, death, and fetal death statistics relative to its residents. Since at the present time there is no interstate transfer of certificates of marriage and divorce, and reports of induced abortions, resident data for these events are not available.

Under the rules for residence allocation, the standard geographic allocation of residence for deaths is to the home area of the individual as stated on the certificate. (Prior to 1973, events in long-term facilities, such as mental hospitals, nursing homes, and penal institutions, regardless of length of stay in the facility, were allocated to the place of previous residence. Whenever data are lacking for residence of the deceased, the death is given to the place where the death occurred.) For births, residence is defined to be the usual residence of the mother. For infant deaths, the home area of the child reported on the death certificate is defined as the usual residence of the mother.

Recorded data are obtained by classifying certificates/reports according to the place of birth, death, fetal death, induced abortion, marriage, or divorce. For certain purposes, such as knowledge of the numbers of births or deaths in hospitals in cities and counties, recorded data are desirable and are presented in some of the summary tables.

Many residents of the State and of nearby states use the hospitals in the large cities of Tennessee; consequently, the numbers of recorded births and deaths are large in these

cities. Resident data, therefore, are preferable to recorded data for comparing birth and death rates of the cities and counties of Tennessee.

DESCRIPTION OF THE STATE OF TENNESSEE AND COMPOSITION OF THE POPULATION

In order to assist in the interpretation of vital statistics, a brief description of the State and of the distribution of its population is given in this section.

Tennessee has a length from east to west of 432 miles on the 36° 30' parallel and an average width from north to south of 109 miles and is bordered by eight states. Geographically, the State is divided into three parts. East Tennessee is, in general, a mountainous region with the Appalachian Mountains in the extreme eastern section. This section also contains the fertile valley of East Tennessee which lies between the Appalachian Mountains and the Cumberland Plateau, a tableland with an average elevation of 2,000 feet above sea level. Middle Tennessee, which includes a few counties in the western section of the Cumberland Plateau, is bordered on the west by the Tennessee River as it flows north. This section contains the fertile Nashville or Central Basin. West Tennessee is a part of the Gulf Coastal Plain and is bordered by the Tennessee River flowing north and the Mississippi River.

The State is divided into 95 counties which vary in size. In certain sections of the State, the population is sparse. According to the 1980 Census, in eight counties, there were less than 30 persons per square mile. These counties are concentrated around the Tennessee River as it flows north and in the Cumberland Plateau Area. There were also 34 counties with only 30-49 persons per square mile. Of the remaining 53 counties, 34 had 50-99 persons per square mile, and 19 had 100 or more persons per square mile. Shelby County with 1,006.6 persons per square mile and Davidson County with 953.7 persons per square mile were the most densely populated counties.

According to the 1980 Census, three counties had less than 5,000 population, and five counties had 100,000 or more population. Four of the counties with large populations contained the cities of 100,000 or more population: Chattanooga, Knoxville, Memphis, and Nashville. Sullivan County, which contains the cities of Bristol and Kingsport, ranked fifth in population. Figure 1 is a map of Tennessee showing the 95 counties, the 37 cities of 10,000 or more population in 1980, the 9 health department regions, and the SMSA counties. Table 1 lists these 37 cities and the counties in which they are located. Seven of these cities had less than 10,000 population according to the 1970 Census: Bartlett, Franklin, Germantown, Hendersonville, Lawrenceburg, Paris, and Springfield.

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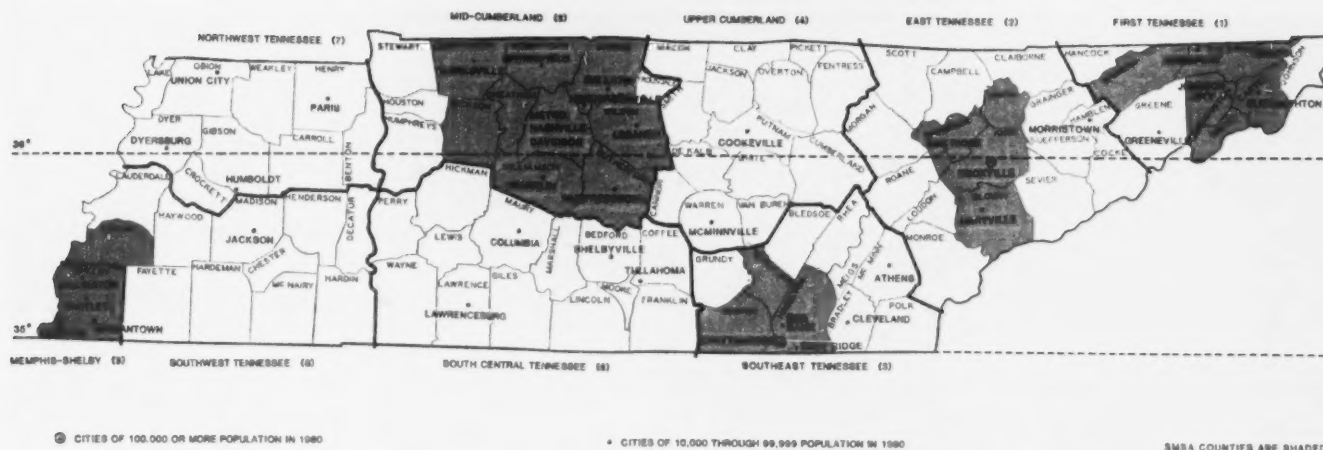


Figure 1. Map of Tennessee Showing the 95 Counties, the 37 Cities of 10,000 or More Population in 1980, and the 9 Health Department Regions

In Bulletins for years prior to 1963, data are given separately for the city of Nashville and for Davidson County. Effective April 1, 1963, the governments of Nashville and Davidson County merged to form a metropolitan area. Thus, beginning with the 1963 Bulletin, this geographic area has been treated as one entity. In tables which show city and/or county data, "Nashville-Davidson County" is listed with cities of 10,000 or more population, and "Davidson County" is listed with the counties. Identical data are shown for both.

TABLE 1. CITIES OF 10,000 OR MORE POPULATION FOR COUNTIES OF TENNESSEE, 1980

City	County	City	County
Athens	McMinn	Kingsport	Sullivan
Bartlett	Shelby	Knoxville	Knox
Bristol	Sullivan	Lawrenceburg	Lawrence
Chattanooga	Hamilton	Lebanon	Wilson
Clarksville	Montgomery	McMinnville	Warren
Cleveland	Bradley	Maryville	Blount
Columbia	Maury	Memphis	Shelby
Cookeville	Putnam	Millington	Shelby
Dyersburg	Dyer	Morristown	Hamblen
East Ridge	Hamilton	Murfreesboro	Rutherford
Elizabethhton	Carter	Nashville-Davidson	
Franklin	Williamson	Oak Ridge	Anderson
Gallatin	Sumner	Paris	Henry
Germantown	Shelby	Red Bank	Hamilton
Greeneville	Greene	Shelbyville	Bedford
Hendersonville	Sumner	Springfield	Robertson
Humboldt	Gibson	Tullahoma	Coffee
Jackson	Madison	Union City	Obion
Johnson City	Washington		

Of the 95 counties, 23 are grouped into six Standard Metropolitan Statistical Areas (SMSA). Each SMSA has one or more central cities with at least 50,000 inhabitants. An SMSA may also include outlying counties which have close

economic and social relationships with the central cities. According to the 1980 Census, the remaining 72 counties are designated Non-SMSA counties.

The total enumerated population of Tennessee increased from 3,926,018 in 1970 to 4,591,120 in 1980, representing a 16.9 percent increase. The white population increased by 16.3 percent (from 3,297,216 to 3,835,452) in this period, and the population of all other races gained 20.2 percent, increasing from 628,802 to 755,668. In 1980, the population of all other races comprised 16.5 percent of the State's population, compared to 16.0 percent in 1970.

The population of all other races in Tennessee is concentrated primarily in West Tennessee: 58.2 percent of the State's population of all other races in 1980 was in that area. In fact, 43.9 percent of the persons of all other races of the State lived in Shelby County in which the city of Memphis is located. In Fayette and Haywood, counties of West Tennessee, the population of all other races exceeded the white.

Between 1970 and 1980, substantial increases were experienced in the population 20-39 years of age in both racial groups. Decreases were experienced in the age group 5-14 years for both racial groups. The greatest percentage gains in population were in the age group 30-34 years (53.8 percent increase) for the white and in ages 25-29 years (a 98.8 percent increase) for the population of all other races. The increased populations in these age groups were associated with the relatively high birth rates experienced in the latter part of the 1940's and early 1950's.

The population for Tennessee of 4,636,018 used in this Bulletin was generated by the State Center for Health Statistics using the cohort-component method. This figure was used for computation of rates per population for the State in this Bulletin. The components of this enumerated population were used for calculation of rates per population for the State by race, sex, and/or age groups.

Following the release of population figures according to the 1980 Census, intercensal population estimates for the State for the years 1970-1980 were recalculated based on the final Census data for 1970 and 1980. Therefore, beginning with the 1981 Bulletin, rates for the years 1970-1980 may differ somewhat from the rates shown for these years in earlier Bulletins.

DEFINITIONS OF TERMS, RATES, AND RATIOS

Birth Rate — Number of live births per 1,000 population.

Cause-Specific Death Rate — Number of deaths from a specific cause per 100,000 population with the exception of the maternal death rate which is per 10,000 live births.

Crude Death Rate — Number of deaths per 1,000 population.

Divorce Rate — Number of persons divorced per 1,000 population.

Fertility Rate — Number of resident births per 1,000 females 15-44 years of age.

Fetal Death Ratio — Number of fetal deaths per 1,000 live births.

Illegitimate — For live births and fetal deaths, legitimacy item on certificate checked "no".

Illegitimate Birth Rate — Number of illegitimate births per 100 live births.

Induced Abortion — The intentional termination of pregnancy for a purpose other than to produce a live-born infant or to remove a dead fetus.

Induced Abortion Ratio — Number of induced abortions per 1,000 live births.

Infant Death — A death of a live-born infant under one year of age.

Infant Mortality Rate — Number of infant deaths per 1,000 live births.

Live Birth — A birth in which the child shows evidence of life (includes heart action, breathing, or a coordinated movement of a voluntary muscle) after complete birth.

Low-Weight Birth — A live birth weighing less than 2,500 grams.

Low-Weight Birth Rate — Number of live births weighing less than 2,500 grams per 100 live births.

Marriage Rate — Number of persons married per 1,000 population.

Maternal Death — A death due to complications of pregnancy, childbirth and the puerperium (ICD codes 630-676).

Maternal Death Rate — Number of maternal deaths (ICD codes 630-676) per 10,000 live births.

Neonatal Death — A death of a live-born infant under 28 days of age.

Neonatal Mortality Rate — Number of neonatal deaths per 1,000 live births.

Postneonatal Death — A death of an infant 28 days or more but under one year of age.

Postneonatal Mortality Rate — Number of postneonatal deaths per 1,000 live births.

Prenatal Care — The amount of prenatal care obtained by the mother is determined by information on the certificate of live birth concerning the month that prenatal care began and the number of prenatal visits.

Race — The terms "white" and "all other races" are used to denote the racial groups. Definitions used for classifying race are those specified by the Bureau of the Census.

Recorded Data — Data compiled according to geographic place where the event occurred without regard to residence. (Recorded data for Tennessee include events which took place within the State, irrespective of the residences of the persons to whom the events occurred.)

Reportable Fetal Death (stillbirth) — A fetal death of 500 grams or more, or, in the absence of weight, of 22 completed weeks of gestation or more. (Note: Induced abortions are excluded from the fetal death count.)

Resident Data — Data compiled according to the usual place of residence of the person to whom the event occurred without regard to the geographic place where the event occurred. For births, infant deaths, and fetal deaths, the residence is defined as the usual place of residence of the mother. (Resident data for Tennessee include events which occurred to residents of the State irrespective of where the events took place.)

Notes:

Death rates for specific causes are not calculated for white or all other races populations of less than 5,000.

Percents of less than 0.05 are indicated by 0.0.

Rates based on births are not calculated when the number of births is less than 10.

For definitions of SMSA and Non-SMSA, see page 10 of the Introduction.

DISCUSSION OF VITAL STATISTICS, 1981

Births: During 1981, there were 67,050 live births to residents of Tennessee giving a birth rate of 14.5 per 1,000 population. The number of births showed a 3.0 percent decrease from the 69,102 births reported in 1980. The birth rate of 14.5 in 1981 represented a 4.0 percent decrease from the rate of 15.1 in the preceding year. Comparable resident birth data are available for the State beginning with 1934.

In 1981, resident white births numbered 51,429, which represented a 2.9 percent decrease from the 52,967 births in 1980. The birth rate of 13.2 per 1,000 white population in 1981 showed a 4.3 percent decrease from the rate of 13.8 in 1980. The 15,614 births of all other races in 1981 represented a 3.2 percent decrease from the 16,129 births in 1980, while the rate of 20.7 for all other races in 1981 was 2.8 percent lower than the comparable rate of 21.3 in 1980. In 1981, the birth rate for the all other races population was more than one and one-half times the rate for the white population.

The trend of the birth rate by race for the past 20 years is shown in Figure 2. Following the record high rate of 26.7 per 1,000 population for total births in 1947, the birth rate fluctuated slightly until 1955. A steadily declining trend has been observed since that time, interrupted only by increases of 2.9 percent in 1969, 2.8 percent in 1970, 4.9 percent in 1977, and 1.3 percent in 1979. The patterns of the birth rates for the white and the all other races populations have been similar to the trend of the total birth rate, but rates for the all other races population have remained at a level approximately one and one-half times the rates for the white population.

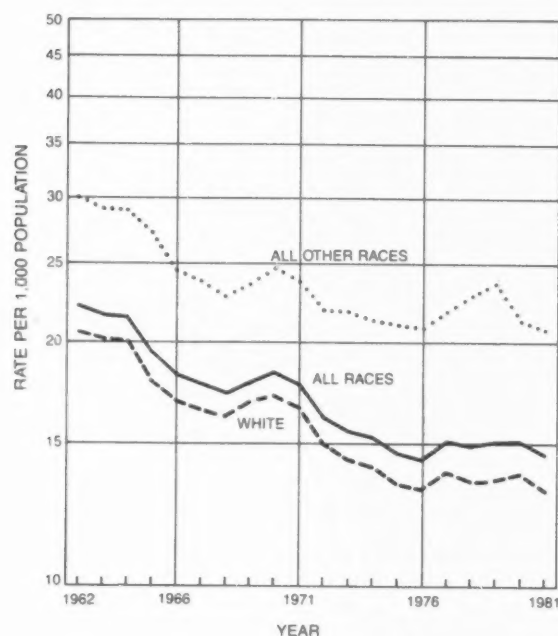


Figure 2. Birth Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1962-1981

During the period 1970-1980, the number of females in the childbearing age (15-44 years) in Tennessee increased by 28.1 percent. On the other hand, the general fertility rate (number of resident births per 1,000 females 15-44 years of age) declined from 85.9 in 1970 to 64.1 in 1980, a decrease of 25.4 percent. From 1970 to 1980, Tennessee fertility rates fell 30.4, 21.4, and 19.6 percent for women of ages 20-24, 25-29, and 30-34 years, respectively. Women aged 20-34 years accounted for 71.4 percent of the births in 1970 and 76.4 percent of the births reported in 1980. Since these women account for a majority of the births each year, their declining fertility rates have had a greater impact than those for their older counterparts who experienced larger decreases in fertility rates.

For residents of Tennessee in 1981, the birth rate exceeded the crude death rate for a rate of natural increase of 5.8 per 1,000 population (Table 2). The rate of natural increase in 1981 was 6.5 percent lower than in 1980. For the white population, the rate of natural increase was 4.6 per 1,000 population and 11.5 for all other races. Thus, the rate for all other races was two and one-half times that for whites.

TABLE 2. BIRTH AND DEATH RATES AND RATE OF NATURAL INCREASE PER 1,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1981

	All Races	White	All Other Races
Birth rate	14.5	13.2	20.7
Death rate	8.7	8.6	9.2
Rate of natural increase	5.8	4.6	11.5

The 67,050 resident births in 1981 corresponded to an average of 183.7 births per day (Table 3). The highest daily average of births, 202.5, occurred in August; September, with a daily average of 199.0 ranked second. The month with the lowest average was May with 166.9 births per day.

TABLE 3. NUMBER OF BIRTHS BY MONTH WITH AVERAGE PER DAY, RESIDENT DATA, TENNESSEE, 1981

Month	Number	Average per day	Month	Number	Average per day
Total	67,050	183.7	June	5,455	181.8
January ..	5,663	182.7	July	6,148	198.3
February ..	5,084	181.6	August ...	6,277	202.5
March	5,494	177.2	September.	5,970	199.0
April	5,053	168.4	October ...	5,584	180.1
May	5,175	166.9	November .	5,427	180.9
			December .	5,720	184.5

Of the 67,050 resident births in 1981, there were 34,525 males and 32,525 females. This gives a sex ratio of 1,061 male births to 1,000 female births, compared to a ratio of 1,072 in 1980. In 1981, there were 1,378 resident live births occurring in multiple deliveries: 1,355 births were of twins and 23 births were of triplets. Some of the infants may have died at

or before the time of delivery accounting for the inconsistencies in numbers.

Numbers of births according to attendant at delivery in 1981 are shown in Table 4. Of the total resident births, 66,294 or 98.9 percent occurred in hospitals.

TABLE 4. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO ATTENDANT, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Attendant	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	67,050	100.0	51,429	100.0	15,614	100.0
In hospital	66,294	98.9	50,835	98.8	15,456	99.0
Physician	65,151	97.2	50,032	97.3	15,116	96.8
Certified Nurse						
Midwife	1,123	1.7	786	1.5	337	2.2
Nurse-Midwife ..	6	0.0	5	0.0	1	0.0
Midwife	—	—	—	—	—	—
Other or unspecified	14	0.0	12	0.0	2	0.0
Not in hospital	746	1.1	588	1.1	158	1.0
Physician	361	0.5	240	0.5	121	0.8
Certified Nurse						
Midwife	30	0.0	30	0.1	—	—
Nurse-Midwife ..	14	0.0	13	0.0	1	0.0
Midwife	209	0.3	197	0.4	12	0.1
Other or unspecified	132	0.2	108	0.2	24	0.2
Unknown facility ..	10	0.0	6	0.0	—	—

Totals may include one or more births with race not stated.

The percentages of total births by race which were delivered in hospitals for the years 1962-1981 are shown in Table 5. During these years, there was a steady increase in the percentage of births in hospitals; the percentage of total births occurring in hospitals was 93.0 percent in 1962 in contrast to 98.9 in 1981. The greatest increase was among births of all other races for whom the frequency of hospital delivery increased from 84.6 in 1962 to 99.0 in 1981.

TABLE 5. PERCENTAGE OF BIRTHS OCCURRING IN HOSPITALS, BY RACE, RESIDENT DATA, TENNESSEE, 1962-1981

Year	All Races		White		All Other Races	
	White	All Races	White	All Races	White	All Other Races
1962 ...	93.0	95.4	84.6	98.2	99.0	95.1
1963 ...	93.5	95.9	85.1	98.6	99.2	96.1
1964 ...	94.1	96.5	85.6	98.6	99.2	96.7
1965 ...	94.5	96.8	86.7	98.7	99.2	96.8
1966 ...	95.2	97.3	87.5	98.6	99.0	97.4
1967 ...	95.6	97.6	88.3	98.6	98.9	97.5
1968 ...	96.4	98.1	90.0	98.8	98.9	98.2
1969 ...	97.0	98.4	91.7	98.8	98.9	98.6
1970 ...	97.6	98.7	93.3	99.0	99.0	99.0
1971 ...	97.9	98.9	94.6	98.9	98.8	99.0

Table 6 shows the distribution of births according to birth weight. In 1981, the percentage of live births considered low-weight (birth weight less than 2,500 grams) was 8.0; 65.1 percent of these births were in the group weighing 2,000-2,499 grams. The percentage of births of all other races considered low-weight was more than twice that of white births, 13.4 percent and 6.4 percent, respectively.

TABLE 6. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO WEIGHT GROUP, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Weight Group	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	67,050	100.0	51,429	100.0	15,614	100.0
Low-Weight	5,381	8.0	3,284	6.4	2,095	13.4
Under 1,000 grams ...	405	0.6	203	0.4	202	1.3
Under 350 grams ...	16	0.0	6	0.0	10	0.1
350-499 grams	66	0.1	28	0.1	38	0.2
500-999 grams	323	0.5	169	0.3	154	1.0
1,000-1,499 grams ...	465	0.7	281	0.5	184	1.2
1,500-1,999 grams ...	1,006	1.5	588	1.1	416	2.7
2,000-2,499 grams ...	3,505	5.2	2,212	4.3	1,293	8.3
2,500-2,999 grams	11,742	17.5	7,862	15.3	3,879	24.8
3,000-3,499 grams	24,647	36.8	18,596	36.2	6,051	38.8
3,500-3,999 grams	18,529	27.6	15,650	30.4	2,878	18.4
4,000-4,499 grams	5,582	8.3	5,002	9.7	580	3.7
4,500 grams and over ...	1,086	1.6	971	1.9	115	0.7
Unknown weight	83	0.1	64	0.1	16	0.1

Totals may include one or more births with race not stated.

In 1981, of the 67,050 resident births, 19.4 percent or 13,015 births occurred to mothers less than 20 years of age (Table 7). Of the 51,429 white births, 8,818 or 17.1 percent occurred to teenage mothers, while 26.9 percent or 4,197 of the 15,614 births of all other races were to teenage mothers. Of the total 67,050 resident births, 42,393 or 63.2 percent were to mothers aged 20-29 years; 64.7 percent of the white births and 58.3 percent of the births of all other races occurred to mothers in this age group.

In 1981, it was indicated on 64,687 or 96.5 percent of the birth certificates that the mother received prenatal care. A mother was considered to have received prenatal care when the birth certificate contained information specifying the month that prenatal care began and a number of visits greater than zero. On 1,507 or 2.2 percent of the birth certificates it could not be determined whether the mother had received prenatal care. On 1.3 percent or 856 certificates the mother stated that no prenatal care was received. Mothers of 49,818 white babies or 96.9 percent received prenatal care, and mothers of 14,866 babies of all other races or 95.2 percent received care.

TABLE 7. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO AGE OF MOTHER, BY RACE OF CHILD, RESIDENT DATA, TENNESSEE, 1981

Age of Mother	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	67,050	100.0	51,429	100.0	15,614	100.0
Under 15 years	299	0.4	105	0.2	194	1.2
15-19 years	12,716	19.0	8,713	16.9	4,003	25.6
20-24 years	23,289	34.7	17,846	34.7	5,441	34.8
25-29 years	19,104	28.5	15,437	30.0	3,667	23.5
30-34 years	9,012	13.4	7,288	14.2	1,723	11.0
35-39 years	2,238	3.3	1,752	3.4	486	3.1
40-44 years	363	0.5	270	0.5	93	0.6
45 years and over	18	0.0	13	0.0	5	0.0

Totals may include one or more births with race of child and/or age of mother not stated.

As the education of the mother increased, there was generally an increase in the percentage of mothers receiving prenatal care. Care was obtained by 90.7 percent of mothers with less than an eighth grade education in comparison to 99.0 percent of mothers with a college degree. This relationship was the same for mothers of white babies, with 91.2 percent of these mothers with less than an eighth grade

TABLE 8. LIVE BIRTHS BY NUMBER OF PRENATAL VISITS, BY MONTH OF PREGNANCY PRENATAL CARE BEGAN AND RACE OF CHILD, RESIDENT DATA, TENNESSEE, 1981

Number of Prenatal Visits	Month of Pregnancy Prenatal Care Began					
	Total	1st-3rd Month	4th-6th Month	7th-9th Month	No Care	Not Stated
All Races						
Total	67,050	48,718	13,358	2,611	856	1,507
No visits	856	—	—	—	856	—
1-4 visits	3,717	665	1,671	1,381	—	—
5-9 visits	15,809	8,132	6,646	1,031	—	—
10-14 visits	37,520	32,795	4,545	180	—	—
15-19 visits	6,661	6,230	421	10	—	—
20 or more visits ..	980	896	75	9	—	—
Not stated	1,507	—	—	—	—	1,507
White						
Total	51,429	39,153	8,892	1,773	463	1,148
No visits	463	—	—	—	463	—
1-4 visits	2,140	394	881	865	—	—
5-9 visits	10,915	5,864	4,304	747	—	—
10-14 visits	30,548	27,048	3,353	147	—	—
15-19 visits	5,405	5,102	296	7	—	—
20 or more visits ..	810	745	58	7	—	—
Not stated	1,148	—	—	—	—	1,148
All Other Races						
Total	15,614	9,563	4,466	837	393	355
No visits	393	—	—	—	393	—
1-4 visits	1,577	271	790	516	—	—
5-9 visits	4,892	2,267	2,342	283	—	—
10-14 visits	6,971	5,746	1,192	33	—	—
15-19 visits	1,256	1,128	125	3	—	—
20 or more visits ..	170	151	17	2	—	—
Not stated	355	—	—	—	—	355

Totals may include one or more births with race not stated.

education receiving care compared to 99.0 percent of the mothers with a college degree. For mothers of babies of all other races, 89.1 percent with less than an eighth grade education obtained care, while 98.6 percent of those with a college degree received care.

For those who received prenatal care, 78.6 percent of mothers of white babies began care during the first trimester of pregnancy, while only 64.3 percent of mothers of babies of all other races began care this early. As the education of the mother increased, the mother was more likely to have begun care in the first trimester. Of the total receiving care who had less than an eighth grade education, only 50.4 percent began the care during the first trimester. In contrast, 92.2 percent of the college graduates receiving prenatal care began in the first trimester.

There was an inverse relationship between the number of previous pregnancies and the receipt of prenatal care. In 1981, for mothers with no previous pregnancies, 96.9 percent received prenatal care, while 94.2 percent of those with 4 previous pregnancies and 91.1 percent of those with 6 or more previous pregnancies received care.

In 1981, of the 67,050 resident live births in Tennessee, 13,647 or 20.4 percent were reported as illegitimate. This represented a 3.0 percent increase over the percentage of illegitimate births in 1980. Of the total number of illegitimate births to residents of the State, 4,748 were white and 8,897 were all other races. Illegitimate births accounted for 9.2 percent of the total white births in 1981, while 57.0 percent of the total births of all other races were illegitimate. From 1980 to 1981, the percentage of births reported to be illegitimate increased by 4.5 percent for the white population and increased by 1.4 percent for the all other races population.

TABLE 9. PERCENTAGE OF LIVE BIRTHS REPORTED TO BE ILLEGITIMATE, BY RACE, RESIDENT DATA, TENNESSEE, 1952-1981

Year	All Races		All Other Races	Year	All Races		All Other Races
	White	White	Races		White	White	Races
1952	6.0	2.2	21.1	1967	11.8	4.1	39.6
1953	6.7	2.2	24.0	1968	11.8	4.4	39.1
1954	7.0	2.4	24.6	1969	11.8	4.5	39.3
1955	7.3	2.4	25.5	1970	12.5	4.6	41.5
1956	7.6	2.5	25.7	1971	12.9	4.5	43.9
1957	7.8	2.6	26.2	1972	14.4	5.2	47.9
1958	8.0	2.7	27.3	1973	14.9	5.3	49.0
1959	8.4	2.8	27.8	1974	14.9	5.4	49.3
1960	8.7	2.7	29.4	1975	15.8	5.9	50.6
1961	9.3	3.0	31.3	1976	16.5	6.1	53.3
1962	9.5	3.1	32.1	1977	16.6	6.7	52.2
1963	9.7	3.1	32.8	1978	18.2	7.4	54.1
1964	9.9	3.2	32.9	1979	19.1	8.1	55.1
1965	11.2	3.8	36.4	1980	19.8	8.8	56.2
1966	11.3	4.0	37.2	1981	20.4	9.2	57.0

Table 9 and Figure 3 show the percentages of births which were illegitimate by race for 30 years, 1952-1981. The

percentages that were reported as illegitimate for births of all other races were 6 to 11 times those for whites throughout this 30-year period. The percentage of total births reported to be illegitimate increased gradually from 6.0 percent in 1952 to 20.4 percent in 1981. Completeness of registration and more truthful reporting of illegitimacy probably contributed to this increase in the relative frequency of reported illegitimate births.

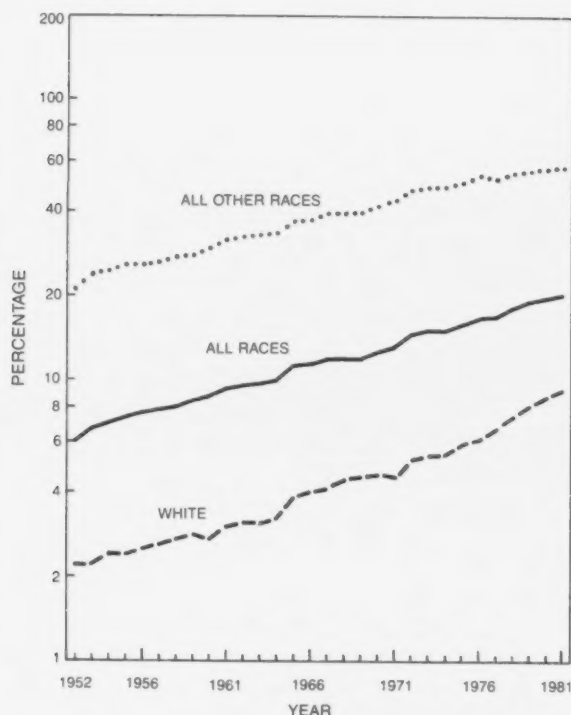


Figure 3. Percentage of Live Births Reported to be Illegitimate, by Race, Resident Data, Tennessee, 1952-1981

In 1981, there were 5,616 births recorded in Tennessee to mothers who were residents of other states, U. S. possessions, and foreign countries and 1,919 births recorded in other states to Tennessee mothers. The recorded birth rate of 15.3 per 1,000 population was higher than the resident rate of 14.5. Both rates in 1981 were lower than in 1980 when the recorded birth rate was 15.9 and the resident rate was 15.1.

Fetal Deaths: In 1981, there were 585 fetal deaths reported to mothers who were residents of the State. The fetal death ratio of 8.7 per 1,000 live births in 1981 ties with the record low established in 1980, which was 5.4 percent lower than the previous low ratio of 9.2 in 1979.

Of the 585 fetal deaths reported as resident events, 98.3 percent were delivered in hospitals. During the past 20 years, there has been an increase in the percentage of fetal deaths delivered in hospitals similar to that for live births. In 1981, the percentage of hospital deliveries was slightly lower for all races combined and for white fetal deaths than for corresponding live births, but the percentage for all other races was the same.

The distribution of reported fetal deaths by weight at delivery in 1981 is given in Table 10, which shows that of the 585 fetal deaths, 155 or 26.5 percent weighed less than 1,000 grams. Of the 388 white fetal deaths in 1981, 92 or 23.7 percent weighed less than 1,000 grams compared to 32.1 percent or 63 of the 196 fetal deaths of other races.

TABLE 10. NUMBER AND PERCENTAGE OF FETAL DEATHS ACCORDING TO WEIGHT GROUP, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Weight Group	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	585	100.0	388	100.0	196	100.0
Under 1,000 grams	155	26.5	92	23.7	63	32.1
1,000-1,499 grams	89	15.2	55	14.2	34	17.3
1,500-1,999 grams	77	13.2	50	12.9	27	13.8
2,000-2,499 grams	58	9.9	39	10.1	19	9.7
2,500 grams and over	178	30.4	133	34.3	45	23.0
Unknown weight	28	4.8	19	4.9	8	4.1

Totals may include one or more fetal deaths with race not stated.

Causes of fetal deaths were classified according to the *Ninth Revision International Classification of Diseases, 1975*. Table 11 shows the underlying causes of the 585 fetal deaths by race in 1981.

TABLE 11. NUMBER AND PERCENTAGE OF FETAL DEATHS ACCORDING TO CAUSE, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Cause of Fetal Death	All Races		White		All Other Races	
	Num-ber	Per-cent	Num-ber	Per-cent	Num-ber	Per-cent
Total	585	100.0	388	100.0	196	100.0
Congenital anomalies (740-759)	39	6.7	34	8.8	5	2.6
Maternal conditions which may be unrelated to pregnancy (760.1-760.9)	8	1.4	7	1.8	1	0.5
Maternal complications of pregnancy (760.0,761)	70	12.0	47	12.1	23	11.7
Complications of placenta (762.0-762.3)	95	16.2	69	17.8	26	13.3
Complications of cord (762.4-762.6)	82	14.0	65	16.8	16	8.2
Complications of membranes (762.7-762.9)	2	0.3	1	0.3	1	0.5
Other complications of labor and delivery (763)	6	1.0	5	1.3	1	0.5
Immaturity (765)	31	5.3	20	5.2	11	5.6
Intrauterine hypoxia and birth asphyxia (768)	8	1.4	5	1.3	3	1.5
Other and ill-defined conditions originating in the perinatal period (779)	225	38.5	121	31.2	104	53.1
Other and ill-defined causes	19	3.2	14	3.6	5	2.6

Totals may include one or more fetal deaths with race not stated.

Complications of placenta was the reported leading cause of total, white, and all other races fetal deaths in 1981. The second most frequently stated cause for all races and white fetal deaths was complications of cord; for all other races, maternal complications of pregnancy was the second leading cause. For 38.5 percent of the total fetal deaths in 1981, the cause was coded as other and ill-defined conditions originating in the perinatal period.

Abortions: In 1981 in Tennessee, 21,911 induced abortions were reported by hospitals, abortion providers, and physicians' offices. There were 309.7 abortions per 1,000 live births recorded in 1981, compared to a ratio of 319.4 recorded in 1980.

TABLE 12. NUMBER OF REPORTED INDUCED ABORTIONS
ACCORDING TO RACE OF WOMAN WITH RATIOS
PER 1,000 LIVE BIRTHS, RECORDED DATA,
TENNESSEE, 1974-1981

Year	All Races		White		All Other Races	
	Number	Ratio	Number	Ratio	Number	Ratio
1974	7,406	109.1	5,420	##	1,478	##
1975	11,081	168.5	8,483	166.4	2,330	157.7
1976	16,967	258.5	10,840	212.4	3,259	223.2
1977	16,463	235.2	12,297	225.5	3,675	238.1
1978	18,889	269.1	14,737	272.8	4,073	251.8
1979	23,399	324.4	17,329	313.4	6,027	358.2
1980	23,274	319.4	17,199	307.4	5,950	351.9
1981	21,911	309.7	16,596	306.4	5,289	319.2

Totals may include one or more events with race not stated.

Data not available to compute ratios by race.

In 1981, of the 21,911 women who received abortions in Tennessee, 17,744 were residents of the State. The women who were nonresidents in 1981 were reported to be residents of 30 other states, the District of Columbia, and one foreign country. There was not an interstate exchange of abortion reports during 1981, so the number of abortions performed on Tennessee residents which occurred in other states in 1981 was not available.

In 1981, of the women receiving abortions in Tennessee, 16,596 were white and 5,289 were other races. The ratio of abortions per 1,000 live births was higher for women of other races than for white women (319.2 and 306.4, respectively). The ratio for white women decreased by less than one percent when compared to the ratio of 307.4 recorded in 1980, while the ratio for women of other races decreased by 9.3 percent when compared to the ratio of 351.9 for the previous year. The racial distribution of induced abortions is very similar to the racial distribution of recorded live births in Tennessee for 1981. For eight years of data by race, see Table 12.

Of the women obtaining induced abortions in Tennessee in 1981, approximately one-third were 19 years of age and under, one-third were from 20 to 24 years of age, and one-third were 25 years of age or older. This distribution varied slightly according to the race of the woman as shown in Table 13.

TABLE 13. NUMBER AND PERCENT DISTRIBUTION OF INDUCED
ABORTIONS ACCORDING TO AGE AND RACE OF WOMAN,
RECORDED DATA, TENNESSEE, 1981

Age of Woman	All Races		White		All Other Races	
	Num- ber	Per- cent	Num- ber	Per- cent	Num- ber	Per- cent
Total	21,911	100.0	16,596	100.0	5,289	100.0
Under 15 years ...	244	1.1	140	0.8	104	2.0
15-19 years	6,600	30.1	5,323	32.1	1,270	24.0
20-24 years	7,581	34.6	5,707	34.4	1,865	35.3
25-29 years	4,200	19.2	3,015	18.2	1,181	22.3
30-34 years	2,039	9.3	1,447	8.7	589	11.1
35-39 years	930	4.2	710	4.3	218	4.1
40-44 years	263	1.2	211	1.3	52	1.0
45 years and over .	17	0.1	16	0.1	1	0.0
Not stated	37	0.2	27	0.2	9	0.2

Totals may include one or more events with race not stated.

Deaths: During 1981, deaths to Tennessee residents numbered 40,480 which reflected a 0.6 percent decrease from the 40,713 deaths in 1980. In 1981, the death rate of 8.7 per 1,000 population represented a 2.2 percent decrease from the comparable rate of 8.9 in 1980.

In 1981, the 33,533 deaths among the white race showed a slight increase over the 33,416 deaths for 1980, and the 6,941 deaths of all other races in 1981 showed a 4.8 percent decrease from the 7,291 deaths for 1980. For the white race in 1981, the death rate of 8.6 per 1,000 white population represented a 1.1 percent decrease from the comparable rate of 8.7 for the preceding year; the record low death rate of 9.2 per 1,000 population for all other races in 1981 showed a 4.2 percent decrease from the previous record low of 9.6 in 1980.

Since death rates vary by age, the crude death rate is affected by the age composition of the population. In order to remove the effect of the changing age distribution of the population, age-adjusted death rates have been computed by race for the years 1970-1981 and are shown in Table 14 and Figure 4. These adjusted rates were calculated using the direct method and the total enumerated population of the United States in 1940 as a standard. (Due to a reduction in the number of age intervals used to calculate the rates, age-adjusted data published in earlier Bulletins are not comparable to Table 14 and Figure 4.)

TABLE 14. AGE-ADJUSTED* DEATH RATES PER 1,000 POPULATION,
BY RACE, RESIDENT DATA, TENNESSEE, 1970-1981

Year	All Races			Year	All Races		
	White	Other	Races		White	Other	Races
1970	7.9	7.5	10.7	1976	6.9	6.5	9.3
1971	7.6	7.2	10.3	1977	6.7	6.3	9.3
1972	7.7	7.3	10.4	1978	6.5	6.1	8.8
1973	7.6	7.2	10.5	1979	6.3	5.9	9.0
1974	7.4	7.0	10.0	1980	6.6	6.2	8.8
1975	7.0	6.6	9.7	1981	6.4	6.1	8.3

* Adjusted to age distribution of 1940 Census population of the United States.

If the age composition of the population of Tennessee had been the same in 1981 as that of the United States in 1940, the death rate for the total population would have been 6.4 per 1,000 population rather than the crude rate of 8.7. This adjusted rate for 1981 was 19.0 percent lower than the comparable rate for 1970, while the crude death rate for 1981 was only 10.3 percent lower than the crude death rate for 1970. In the current population, there is an increased number of older persons among whom the risk of death is greatest. The progress made in reducing mortality during the last 12 years is concealed in the comparison of crude death rates due to the larger proportion of older people in the population. During this same period, the age-adjusted death rate for the white population declined by 18.7 percent, while the rate for all other races showed a 22.4 percent decline. The age-adjusted death rate for all other races in 1981 was 36.1 percent higher than that for whites; whereas, the comparison of the crude death rates showed that the rate for all other races was only 7.0 percent higher than the rate for the white population.

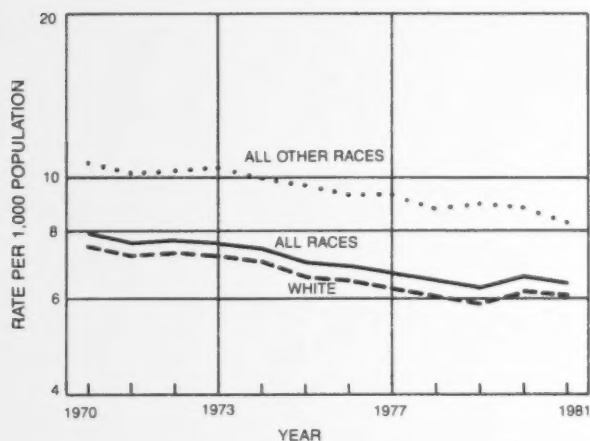


Figure 4. Age-Adjusted Death Rates per 1,000 Population, by Race, Resident Data, Tennessee, 1970-1981

Age-specific death rates by race and sex for 1981 are given in Table 15. In the total population, death rates were high during infancy but were low during childhood years. The rates remained at a similar level for persons from 15 to 34 years of age, after which the rates increased sharply and were at the highest level for persons in the 75 years and over age group. The death rates for the white and all other races populations followed, in general, the same age pattern as that for the total; however, the rates for all other races were at a higher level than those for whites in every age group except for those aged 10-19 years. Mortality was higher among males than females for all age groups in both races except among the all other races population 10-14 years of age. White males in every age group 15-74 years experienced death rates at least twice as high as those of white females of comparable ages. Also, males of all other races in every age

group 15-34 years experienced death rates more than two and one-half times as high as their female counterparts.

TABLE 15. DEATH RATES PER 1,000 POPULATION, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1981

Age Group	All Races		White		All Other Races		
	Total	Male	Total	Female	Total	Male	Female
All ages.....	8.7	8.6	9.8	7.5	9.2	10.8	7.9
Under 1 year†	12.6	10.1	11.4	8.8	20.8	22.5	19.0
1-4 years	0.6	0.5	0.5	0.5	0.7	0.8	0.6
5-9 years	0.3	0.3	0.3	0.2	0.3	0.3	0.3
10-14 years	0.4	0.4	0.4	0.3	0.3	0.2	0.4
15-19 years	0.9	1.0	1.4	0.6	0.7	1.1	0.4
20-24 years	1.2	1.2	1.8	0.5	1.2	1.9	0.7
25-29 years	1.3	1.3	1.9	0.7	1.6	2.4	0.9
30-34 years	1.5	1.3	1.8	0.7	2.8	4.6	1.3
35-44 years	2.4	2.1	2.9	1.4	4.3	5.9	3.0
45-54 years	6.1	5.5	7.7	3.4	10.4	15.2	6.8
55-64 years	14.3	13.2	18.5	8.7	21.7	29.2	16.0
65-74 years	30.3	29.2	42.0	19.5	37.7	50.6	28.3
75 years and over...	83.1	83.0	102.8	72.4	83.5	98.6	74.1

† Rate per 1,000 live births.

Crude death rates according to urban character of county are shown in Table 16. The death rate of 9.4 per 1,000 population for Non-SMSA's was 11.9 percent higher than the rate of 8.4 for SMSA's. The Chattanooga SMSA had the highest death rates for total and white populations with rates of 9.0 and 8.8, respectively, and tied with Johnson City for a rate of 9.9 among all other races. The Clarksville SMSA had the lowest death rates with 5.9, 5.9, and 6.0 for total, white, and all other races populations. The death rate for the white population was 12.2 percent higher for the Non-SMSA's than for the SMSA's, while all other races had a death rate 18.0 percent higher for Non-SMSA's than for SMSA's. The age distribution of the population, the availability of health resources, and the completeness of registration are factors to be considered in interpreting data shown in this table.

TABLE 16. DEATH RATES PER 1,000 POPULATION BY URBAN CHARACTER OF COUNTY, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Urban Character of County	All Races	White	All Other Races
Total	8.7	8.6	9.2
SMSA	8.4	8.2	8.9
Chattanooga	9.0	8.8	9.9
Clarksville	5.9	5.9	6.0
Johnson City	8.4	8.4	9.6
Knoxville	8.7	8.6	9.9
Memphis	8.6	8.5	8.7
Nashville	7.9	7.7	9.0
Non-SMSA	9.4	9.2	10.5

The monthly distribution of deaths in 1981 is shown in Table 17. There was an average of 110.9 deaths per day. These averages varied by month with the lowest, 100.5 deaths per day, occurring during September. The highest average number of deaths per day was experienced in January with 140.3.

TABLE 17. NUMBER OF DEATHS BY MONTH WITH AVERAGE PER DAY, RESIDENT DATA, TENNESSEE, 1981

Month	Number	Average per day	Month	Number	Average per day
Total	40,480	110.9	June	3,183	106.1
January	4,349	140.3	July	3,224	104.0
February	3,392	121.1	August	3,137	101.2
March	3,527	113.8	September	3,014	100.5
April	3,259	108.6	October	3,368	108.6
May	3,269	105.5	November	3,117	103.9
			December	3,641	117.5

In 1981, the number of deaths to Tennessee residents was 40,480 or 2,466 fewer than the 42,946 deaths recorded in Tennessee. Thus, there were more deaths of nonresidents which occurred in Tennessee (3,594) than there were deaths of Tennessee residents which occurred in other states (1,128). The recorded death rates for the large cities of Tennessee were high because many deaths of residents of rural areas of Tennessee and of nearby states occurred in the hospitals of these Tennessee cities.

Infant Mortality: In Tennessee during 1981, there were 846 resident infant deaths, giving an infant mortality rate of 12.6 per 1,000 live births. The number of infant deaths was 8.9 percent lower than the 929 infant deaths in 1980, while the rate was 6.0 percent lower than that for 1980. Both the number and rate for 1981 were record lows in infant mortality since records were first kept on resident data in 1934.

White infants experienced 522 deaths or a mortality rate of 10.1 per 1,000 white live births in 1981; among infants of all other races, there were 324 deaths, corresponding to a rate of 20.8. Both the number of infant deaths and the mortality rate in 1981 for white infants were record lows. For all other races, the number of infant deaths increased 6.6 percent and the mortality rate increased by 10.6 percent, compared to 304 infant deaths and a rate of 18.8 in 1980.

The trend of infant mortality rates for the past 20 years has been downward (as shown in Figure 5). The number of infant

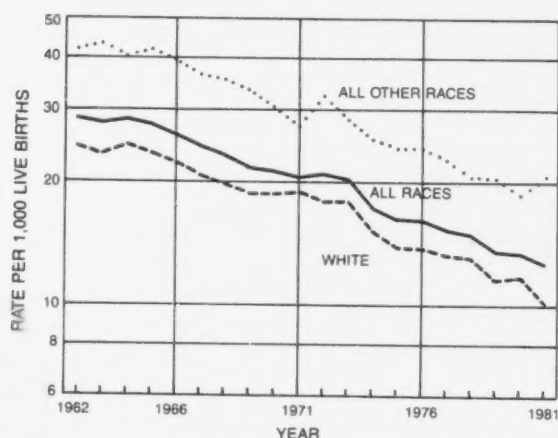


Figure 5. Infant Mortality Rates per 1,000 Live Births, by Race, Resident Data, Tennessee, 1962-1981

deaths and the mortality rates for the years 1962-1981 are given in Table I.

In 1981, deaths of male infants numbered 482 and of female infants, 364. The mortality rate of 14.0 per 1,000 live births experienced by male infants was 25.0 percent higher than the rate of 11.2 for female infants.

Infant mortality rates according to urban character of resident county are given in Table 18. Infants of all races, white, and all other races have a greater risk of mortality for SMSA's than Non-SMSA's. The Memphis SMSA had the highest infant mortality rate for all races; Johnson City had the highest rates for white and all other races. The Clarksville SMSA had the lowest rates for all three categories. The racial differential was much greater in the SMSA's where mortality among infants of all other races was 110.8 percent higher than that for white infants. For Non-SMSA's, the racial differential was considerably lower (70.0 percent).

TABLE 18. INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS BY URBAN CHARACTER OF COUNTY, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Urban Character of County	All Races	White	All Other Races
Total	12.6	10.1	20.8
SMSA	13.5	10.2	21.5
Chattanooga	12.7	11.7	15.9
Clarksville	9.8	8.1	15.6
Johnson City	14.1	13.6	26.8
Knoxville	11.2	10.4	17.5
Memphis	16.4	8.9	22.8
Nashville	12.0	9.3	21.6
Non-SMSA	10.9	10.0	17.0

Table 19 gives the number of resident infant deaths by broad groups of causes for 1981. The major group, certain conditions originating in the perinatal period (ICD codes 760-779) accounted for 438 or 51.8 percent of the infant deaths. Congenital anomalies were responsible for 169 or 20.0 percent of the infant deaths; accidents and adverse effects accounted for 15 or 1.8 percent of infant deaths; pneumonia and influenza were the cause for 13 or 1.5 percent of the infant deaths.

Deaths from sudden infant death syndrome numbered 115 or 13.6 percent resulting in a rate of 1.7 per 1,000 live births, compared to 116 deaths and a rate of 1.7 for 1980. Sixty-eight white infants with a rate of 1.3 and 47 infants of all other races with a rate of 3.0 died from this cause during 1981, compared to 76 and 40, respectively, for 1980.

Mortality rates per 1,000 live births for infants of all other races were higher than for white infants for all of the causes of death listed in Table 19 except congenital anomalies.

TABLE 19. NUMBER OF INFANT DEATHS BY CAUSE WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Cause of Death	All Races		White		All Other Races	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
Total	846	12.6	522	10.1	324	20.8
Certain gastrointestinal diseases (008-009, 535, 555-558)	2	x	—	—	2	0.1
Pneumonia and influenza (480-487)	13	0.2	6	0.1	7	0.4
Congenital anomalies (740-759)	169	2.5	138	2.7	31	2.0
Immaturity (765)	57	0.9	35	0.7	22	1.4
Birth trauma (767)	17	0.3	10	0.2	7	0.4
Intrauterine hypoxia and birth asphyxia (768)	31	0.5	11	0.2	20	1.3
Respiratory distress syndrome (769)	88	1.3	61	1.2	27	1.7
Other conditions originating in the perinatal period (760-764, 766, 770-779)	245	3.7	120	2.3	125	8.0
Sudden infant death syndrome (798.0)	115	1.7	68	1.3	47	3.0
Accidents and adverse effects (E800-E949)	15	0.2	11	0.2	4	0.3
All other and ill-defined causes	94	1.4	62	1.2	32	2.0

Infant deaths by age at death and by race with rates per 1,000 live births are shown for 1981 in Table 20. Of the 846 infant deaths, 70.1 percent or 593 occurred during the

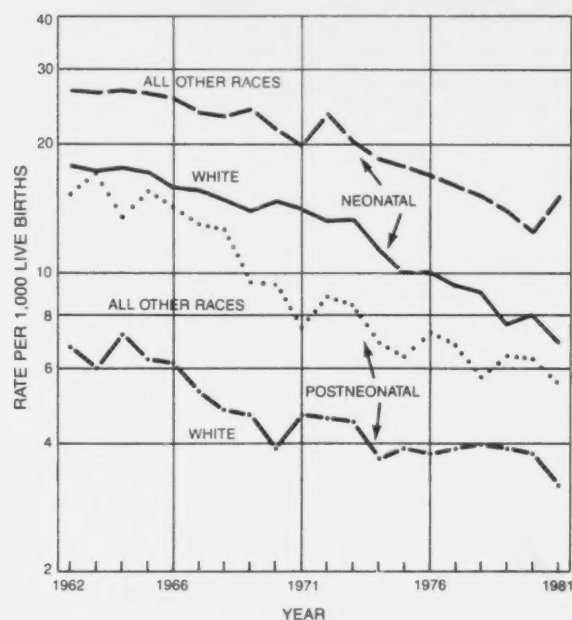


Figure 6. Infant Mortality Rates per 1,000 Live Births According to Neonatal and Postneonatal Periods, by Race, Resident Data, Tennessee, 1962-1981

neonatal period, the first 27 days of life. The neonatal mortality rate in 1981 was 8.8 per 1,000 live births, 3.3 percent lower than in 1980. Of the 593 neonatal deaths in 1981, whites accounted for 356 deaths and all other races accounted for 237; corresponding rates were 6.9 per 1,000 white live births and 15.2 per 1,000 births of all other races.

In 1981, the neonatal mortality rate for infants of all other races was 120.3 percent higher than for white infants; this racial differential represented a large increase when compared to that of 1980 when the rate for all other races was 56.2 percent higher than that for whites.

More than half or 318 of the 593 neonatal deaths occurred among infants under 1 day of age, and an additional 30.7 percent or 182 died at 1-6 days of age; thus, 84.3 percent of the neonatal deaths occurred within the first week of life.

TABLE 20. NUMBER OF INFANT DEATHS BY AGE AT DEATH WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Age at Death	All Races		White		All Other Races	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
Total, under 1 year	846	12.6	522	10.1	324	20.8
Neonatal (under 28 days) ..	593	8.8	356	6.9	237	15.2
Under 1 day	318	4.7	194	3.8	124	7.9
1-6 days	182	2.7	110	2.1	72	4.6
7-27 days	93	1.4	52	1.0	41	2.6
Under 1 month	595	8.9	356	6.9	239	15.3
1 month	68	1.0	46	0.9	22	1.4
2 months	53	0.8	32	0.6	21	1.3
3 months	34	0.5	24	0.5	10	0.6
4 months	27	0.4	15	0.3	12	0.8
5 months	14	0.2	13	0.3	1	0.1
6 months	12	0.2	8	0.2	4	0.3
7 months	10	0.1	10	0.2	—	—
8 months	12	0.2	7	0.1	5	0.3
9 months	6	0.1	2	x	4	0.3
10 months	9	0.1	5	0.1	4	0.3
11 months	6	0.1	4	0.1	2	0.1

x Rate less than 0.05.

Mortality in the postneonatal period was much lower than in the neonatal period (Figure 6). In 1981, there were 253 postneonatal deaths with a rate of 3.8 per 1,000 live births. The postneonatal mortality rate of 3.2 per 1,000 live births for white infants was 15.8 percent lower than the comparable rate of 3.8 for that racial group in 1980. The postneonatal rate of 5.6 for all other races in 1981 decreased by 11.1 percent from the comparable rate of 6.3 in the preceding year.

Maternal Mortality: Ten Tennessee mothers were reported to have died from complications of pregnancy, childbirth and the puerperium giving a maternal mortality rate of 1.5 per 10,000 live births. In 1980, there were 13 maternal deaths corresponding to a rate of 1.9. Of the 10 deaths in 1981, white women accounted for 9, and all other races accounted for 1.

The maternal mortality rate of 1.7 for the white population was almost three times the rate of 0.6 for all other races.

Causes of maternal deaths and number of deaths for each cause were as follows: hemorrhage in pregnancy (1); other complications related to pregnancy (3); complications of the administration of anaesthetic or other sedation in labor and delivery (1); venous complications in pregnancy and the puerperium (2); obstetrical pulmonary embolism (2); and other and unspecified complications of puerperium not elsewhere classified (1).

Mortality in Childhood: During the year 1981, there were 375 deaths of children 1-14 years of age. Of these, 172 or 45.9 percent were the result of accidental injuries.

Children 1-4 years of age experienced 150 deaths, giving a rate of 0.6 per 1,000 population. For white children in this age group, the rate was 0.5 and for children of all other races, 0.7. The most frequently stated cause of death for those in the age group 1-4 years was accidents and adverse effects with 59 deaths reported. The second most frequently reported cause of death for children 1-4 years of age was congenital anomalies with 27 deaths followed by malignant neoplasms with 14 deaths and meningitis and diseases of heart with 4 deaths each.

For the age group 5-9 years, there were 96 deaths and for the age group 10-14 years, 129 deaths. The mortality rate from all causes for each of these two age groups was low, 0.3 for the age group 5-9 years and 0.4 for those aged 10-14 years.

Accidents and adverse effects was the leading cause of death in both age groups with 53 deaths in the age group 5-9 years and with 60 deaths in the age group 10-14 years. The second leading cause of death for both age groups was malignant neoplasms with 11 deaths in the age group 5-9 years and 18 deaths in the age group 10-14 years; congenital anomalies was the third most reported cause of death in these two age groups, followed by pneumonia and influenza for the age group 5-9 years and suicide for the age group 10-14 years.

Principal Causes of Death: The groupings of principal causes of death in the tables that follow are in accordance with national recommendations and the *Ninth Revision International Classification of Diseases*.

TABLE 21. PRINCIPAL CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1981

Cause of Death	Deaths	
	Number	Rate
All causes	40,480	873.2
1. Diseases of heart (390-398, 402, 404-429)	14,894	321.3
2. Malignant neoplasms (140-208)	8,355	180.2
3. Cerebrovascular disease (430-438)	4,088	88.2
4. Accidents and adverse effects (E800-E949)	2,205	47.6
5. Chronic obstructive pulmonary disease and allied conditions (490-496)	1,295	27.9
6. Pneumonia and influenza (480-487)	1,174	25.3
7. Atherosclerosis (440)	620	13.4

The seven principal causes of death (as shown in Table 21 and Figure 7) accounted for 32,631 or 80.6 percent of the total 40,480 deaths of Tennessee residents in 1981. The seven principal causes of death were the same in 1980. In 1981, the leading cause of death was diseases of heart with 14,894 deaths or 36.8 percent of all deaths, and the death rate was 321.3 per 100,000 population. Malignant neoplasms ranked second with 8,355 deaths and a rate of 180.2. The third principal cause of death was cerebrovascular disease with 4,088 deaths and a rate of 88.2. Accidents and adverse effects accounted for 2,205 deaths and ranked fourth with a rate of 47.6. Chronic obstructive pulmonary disease and allied conditions was ranked fifth with 1,295 deaths and a rate of 27.9. The group pneumonia and influenza was in sixth place with 1,174 deaths and a rate of 25.3, and atherosclerosis was seventh with 620 deaths and a rate of 13.4 per 100,000 population.

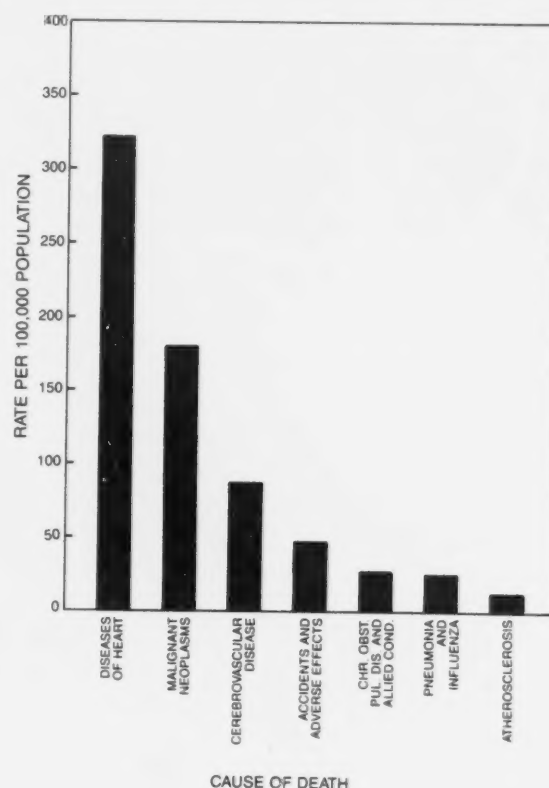


Figure 7. Death Rates per 100,000 Population for the Principal Causes of Death, Resident Data, Tennessee, 1981

The seven principal causes of death for males and females in 1981 are shown in Table 22. Of these, the first four were the same and in the same rank order for both sex groups. For males, chronic obstructive pulmonary disease and allied conditions was fifth, pneumonia and influenza ranked sixth, and suicide was in seventh place. For females, pneumonia and influenza ranked fifth, followed by diabetes mellitus in sixth place, and chronic obstructive pulmonary disease and

allied conditions in seventh. Of the six leading causes common to both sex groups, death rates were higher for males than for females with the exception of cerebrovascular disease. Of the five leading causes for which death rates for the male population were higher than those for the female population, the greatest relative excess was for accidents and adverse effects where the rate for males was more than two and one-half times that for females.

TABLE 22. PRINCIPAL CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, BY SEX, RESIDENT DATA, TENNESSEE, 1981

Cause of Death	Deaths	
	Number	Rate
<i>Male</i>		
All causes	22,320	997.3
1. Diseases of heart (390-398, 402, 404-429)	8,150	364.2
2. Malignant neoplasms (140-208)	4,759	212.6
3. Cerebrovascular disease (430-438)	1,695	75.7
4. Accidents and adverse effects (E800-E949) ...	1,578	70.5
5. Chronic obstructive pulmonary disease and allied conditions (490-496)	918	41.0
6. Pneumonia and influenza (480-487)	575	25.7
7. Suicide (E950-E959)	441	19.7
<i>Female</i>		
All causes	18,159	757.3
1. Diseases of heart (390-398, 402, 404-429)	6,744	281.2
2. Malignant neoplasms (140-208)	3,596	150.0
3. Cerebrovascular disease (430-438)	2,393	99.8
4. Accidents and adverse effects (E800-E949) ...	627	26.1
5. Pneumonia and influenza (480-487)	599	25.0
6. Diabetes mellitus (250)	383	16.0
7. Chronic obstructive pulmonary disease and allied conditions (490-496)	377	15.7

Mortality by cause differed by age group. (See Table 23 for principal causes of death for five adult age groups.) For the first three age groups, only five causes are shown due to the small numbers of deaths involved. For the two older age groups, the larger numbers of deaths make the listing of seven causes meaningful. Detailed data regarding causes by race, sex, and age are given in Table IV.

For the age group 15-24 years, accidents and adverse effects accounted for 505 or 56.4 percent of the 895 deaths. Homicide and legal intervention ranked second, followed by suicide, malignant neoplasms, and diseases of heart. It is noteworthy that over three-fourths of all deaths in this age group were from external causes which are potentially amenable to prevention.

In 1981, the five leading causes of death for the age group 25-34 years were the same and in the same rank order as for the preceding age group. With the exception of the rate for accidents and adverse effects, death rates for the leading causes in this age group were higher than those for the age group 15-24 years. In this age group, 63.6 percent of the deaths were from external causes.

TABLE 23. PRINCIPAL CAUSES OF DEATH FOR FIVE AGE GROUPS WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1981

Cause of Death	Deaths	
	Number	Rate
<i>15-24 Years</i>		
All causes	895	105.4
1. Accidents and adverse effects (E800-E949) ...	505	59.5
2. Homicide and legal intervention (E960-E978)	112	13.2
3. Suicide (E950-E959)	91	10.7
4. Malignant neoplasms (140-208)	39	4.6
5. Diseases of heart (390-398, 402, 404-429)	17	2.0
<i>25-34 Years</i>		
All causes	1,062	140.6
1. Accidents and adverse effects (E800-E949) ...	377	49.9
2. Homicide and legal intervention (E960-E978)	168	22.2
3. Suicide (E950-E959)	130	17.2
4. Malignant neoplasms (140-208)	101	13.4
5. Diseases of heart (390-398, 402, 404-429)	74	9.8
<i>35-44 Years</i>		
All causes	1,337	239.7
1. Diseases of heart (390-398, 402, 404-429)	306	54.9
2. Malignant neoplasms (140-208)	270	48.4
3. Accidents and adverse effects (E800-E949) ...	237	42.5
4. Suicide (E950-E959)	101	18.1
5. Homicide and legal intervention (E960-E978)	81	14.5
<i>45-64 Years</i>		
All causes	9,067	1,004.7
1. Diseases of heart (390-398, 402, 404-429)	3,199	354.5
2. Malignant neoplasms (140-208)	2,866	317.6
3. Cerebrovascular disease (430-438)	501	55.5
4. Accidents and adverse effects (E800-E949) ...	375	41.6
5. Chronic obstructive pulmonary disease and allied conditions (490-496)	324	35.9
6. Chronic liver disease and cirrhosis (571)	194	21.5
7. Suicide (E950-E959)	167	18.5
<i>65 Years and Over</i>		
All causes	26,886	5,051.4
1. Diseases of heart (390-398, 402, 404-429)	11,271	2,117.6
2. Malignant neoplasms (140-208)	5,035	946.0
3. Cerebrovascular disease (430-438)	3,487	655.1
4. Pneumonia and influenza (480-487)	986	185.3
5. Chronic obstructive pulmonary disease and allied conditions (490-496)	954	179.2
6. Atherosclerosis (440)	586	110.1
7. Accidents and adverse effects (E800-E949) ...	520	97.7

For the age group 35-44 years, the five principal causes of death were the same as those for the two preceding age groups but in a different rank order. Diseases of heart was the leading cause of death for this age group followed by

malignant neoplasms, accidents and adverse effects, suicide, and homicide and legal intervention. In contrast to the 15-24 years age group, only 31.3 percent were from external causes.

Accidents and adverse effects, the leading cause for the two preceding age groups, dropped to third place for the age group 35-44. However, for the broad group of persons 1-44 years, accidents and adverse effects ranked above all other causes and accounted for 35.2 percent of the deaths in this broad age group. Also, deaths from external causes accounted for over one-half of the deaths of persons 1-44 years of age.

In the age group 45-64 years, the leading cause of death was diseases of heart, accounting for 3,199 or 35.3 percent of the deaths in this age group. Malignant neoplasms ranked second with 31.6 percent of the deaths followed by cerebrovascular disease and accidents and adverse effects. Chronic obstructive pulmonary disease and allied conditions and chronic liver disease and cirrhosis, which were not principal causes of death for the younger age groups, ranked fifth and sixth, respectively, for ages 45-64 years. Suicide was the seventh leading cause for this age group in 1981.

In 1981, of the 40,480 deaths of Tennessee residents, 66.4 percent were of persons 65 years of age and older. The principal cause of death for this age group (as in the preceding age group) was diseases of heart which accounted for 11,271 deaths or 41.9 percent of deaths for this age group. Malignant neoplasms ranked second followed by cerebrovascular disease. Pneumonia and influenza, ranking fourth, did not rank as a leading cause of death for the younger age groups. Chronic obstructive pulmonary disease and allied conditions was the fifth leading cause, followed by atherosclerosis, which also did not rank as a leading cause for younger age groups. Accidents and adverse effects was the seventh leading cause of death in the age group 65 years and over for 1981.

Tuberculosis: In 1981, the deaths of 57 Tennessee residents were reported to be due to tuberculosis, giving a death rate of 1.2 per 100,000 population. Of these deaths, 43 occurred in the white population and 14 in the all other races population. The death rates were 1.1 for whites and 1.9 for all other races. Mortality from tuberculosis was higher for males in the white population and females in the population of all other races. There were only 2 deaths from tuberculosis in 1981 occurring to persons under 45 years of age in contrast to 42 persons aged 65 years and over.

Syphilis: In 1981, syphilis accounted for deaths of 2 Tennessee residents. Of these 2 deaths, 1 occurred in the male population and 1 in the female population.

Acute Infectious and Parasitic Diseases: There was not a single death from acute poliomyelitis, measles, shigellosis and amebiasis, whooping cough, or the group streptococcal sore throat, scarlatina, and erysipelas during 1981. One death was attributed to Rocky Mountain spotted fever, 3 to viral encephalitis, and 11 to meningococcal infection. Other deaths due to infectious diseases include: viral hepatitis, 24; and septicemia, 141.

TABLE 24. NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS ACCORDING TO PRIMARY SITE WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Primary Site	All Races		White		All Other Races	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
Total.....	8,355	180.2	6,930	178.5	1,425	189.3
Lip, oral cavity and pharynx (140-149).....	191	4.1	156	4.0	35	4.6
Digestive organs and peritoneum (150-159)....	2,008	43.3	1,613	41.5	395	52.5
Respiratory and intrathoracic organs (160-165)...	2,404	51.9	2,034	52.4	370	49.1
Breast (174-175).....	660	14.2	555	14.3	105	13.9
Uterus (179-182).....	201	4.3	156	4.0	45	6.0
Other female genital organs (183-184).....	244	5.3	221	5.7	23	3.1
Male genital organs (185-187).....	509	11.0	368	9.5	141	18.7
Urinary organs (188-189)...	338	7.3	285	7.3	53	7.0
Skin (172-173).....	156	3.4	149	3.8	7	0.9
Brain (191).....	218	4.7	201	5.2	17	2.3
Other and unspecified (170, 171, 190, 192-199)...	666	14.4	529	13.6	137	18.2
Leukemia (204-208).....	321	6.9	278	7.2	43	5.7
Other lymphatic and hematopoietic tissue (200-203)...	439	9.5	385	9.9	54	7.2

Malignant Neoplasms: Malignant neoplasms, the second leading cause of mortality of residents of Tennessee in 1981, was responsible for 8,355 deaths or a rate of 180.2 per 100,000 population. The white population experienced 6,930 deaths from this cause corresponding to a rate of 178.5, while deaths

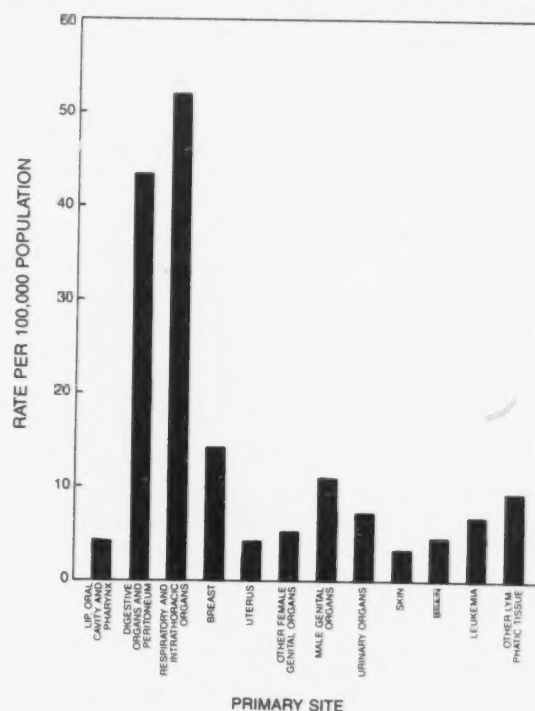


Figure 8. Death Rates per 100,000 Population for Malignant Neoplasms According to Primary Site, Resident Data, Tennessee, 1981

of persons of all other races numbered 1,425 with a rate of 189.3.

Mortality from malignant neoplasms varied according to primary site (as shown in Table 24 and Figure 8). In 1981, the most frequently stated primary site was the respiratory and intrathoracic organs with 2,404 deaths reported and a corresponding rate of 51.9. The digestive organs and peritoneum ranked second with a death rate of 43.3 per 100,000 population. These two sites accounted for 4,412 deaths or 52.8 percent of all deaths from malignant neoplasms in 1981. For the sites skin and brain, the white rates were substantially higher than the rates for all other races, and for male genital organs the rate for all other races was substantially higher than the white rate.

Table 25 gives the average annual death rates from malignant neoplasms by race, sex, and age for 1979-1981. In general, the mortality rates remained at a similar level for those less than 20 years of age, after which the rates began to increase sharply reaching the highest level for those 75 years and over. Beginning at the age group 45-54 years, males in both racial groups suffered higher death rates than their female counterparts. For persons under 45 years of age, there was no definite pattern by sex. Death rates for males of all other races exceeded those for white males in every age group except those under 10 years and 20-24 years. Females of all other races exhibited higher rates than white females in every age group except under 10 years and 30-34 years.

TABLE 25. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR MALIGNANT NEOPLASMS, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1979-1981

Age Group	White		All Other Races	
	Male	Female	Male	Female
All ages.....	205.0	148.7	229.9	145.7
Under 5 years.....	4.8	4.6	3.8	3.9
5-9 years.....	4.7	4.2	4.6	2.8
10-14 years.....	4.2	4.9	5.4	6.3
15-19 years.....	4.5	4.2	7.0	5.4
20-24 years.....	7.4	4.7	6.1	5.6
25-29 years.....	11.3	10.1	14.7	11.9
30-34 years.....	20.3	18.0	20.8	17.9
35-44 years.....	43.9	51.4	69.1	80.5
45-54 years.....	201.9	154.4	408.0	229.4
55-64 years.....	551.2	324.2	805.6	466.7
65-74 years.....	1,068.1	512.2	1,415.0	623.2
75 years and over.....	1,702.1	866.6	1,990.4	923.8

Diabetes Mellitus: In 1981, there were 609 deaths of Tennessee residents due to diabetes mellitus, corresponding to a rate of 13.1 per 100,000 population. Of these, 454 were white and 155, all other races. The death rate for all other races was almost twice as high as the rate for the white population.

Diseases of Heart: Diseases of heart, the leading cause of death for the State in 1981, accounted for 14,894 deaths,

corresponding to a rate of 321.3 per 100,000 population. Of the total number of deaths reported to be due to diseases of heart in 1981, there were 11,139 deaths or 74.8 percent classified as ischemic heart disease.

Table 26 gives average annual death rates per 100,000 population from diseases of heart by race, sex, and age for Tennessee residents for the period 1979-1981. Death rates from this cause began increasing gradually in the early adult years for each of the race-sex groups and rose sharply in the middle and older age groups. Males of all other races experienced higher death rates than white males in all the age groups except for 75 years and over. All other races females aged under 5 years, 10-19 years, and 25-74 years experienced higher mortality rates than white females in the same age groups.

TABLE 26. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR DISEASES OF HEART, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1979-1981

Age Group	White		All Other Races	
	Male	Female	Male	Female
All ages.....	366.6	275.6	344.6	283.7
Under 5 years.....	6.6	4.8	17.8	13.5
5-9 years.....	—	0.5	0.9	—
10-14 years.....	0.9	1.2	1.8	1.8
15-19 years.....	1.9	0.8	4.7	3.9
20-24 years.....	4.9	1.9	5.2	1.6
25-29 years.....	5.7	2.5	15.8	10.1
30-34 years.....	16.1	6.5	44.5	14.3
35-44 years.....	74.1	17.5	156.1	65.7
45-54 years.....	307.2	74.2	474.3	213.7
55-64 years.....	767.3	246.6	1,064.7	556.3
65-74 years.....	1,740.3	732.1	1,846.6	1,237.5
75 years and over.....	4,410.2	3,270.0	4,028.5	3,204.2

Average annual death rates for diseases of heart for 1979-1981 were higher for males than females in each racial group for all ages combined. In the white population, the rate for males exceeded the rate for females by 33.0 percent, while the excess in mortality for males of all other races over females was 21.5 percent.

Cerebrovascular Disease: In 1981, deaths from cerebrovascular disease, the third principal cause of death, numbered 4,088, corresponding to a rate of 88.2 per 100,000 population. Among the white population, deaths from this cause numbered 3,320 with a rate of 85.5; among those of all other races, there were 768 deaths with a rate of 102.0.

Atherosclerosis: Atherosclerosis was the seventh principal cause of death in 1981 with 620 deaths and a rate of 13.4 per 100,000 population. The death rates for females were higher than those for males in each racial group for atherosclerosis. In the white population, the rate for females exceeded the rate for males by 35.1 percent, while the excess in mortality for females of all other races over males of all other races was 38.9 percent. There were only 8 deaths from atherosclerosis in 1981 occurring to persons under 55 years of age, in contrast to 297 deaths to persons aged 55 years and over.

Pneumonia and Influenza: The sixth principal cause of death, pneumonia and influenza, was the cause of 1,174 deaths of Tennessee residents in 1981, corresponding to a rate of 25.3 per 100,000 population. This cause accounted for 1,020 deaths in the white population, while 154 deaths were reported in the population of all other races.

Pneumonia was responsible for 90.5 percent of all deaths attributed to pneumonia and influenza. Of the 1,062 deaths from pneumonia, 168 were stated to be due to bronchopneumonia, organism unspecified; 92, to bacterial pneumonia; 17, to viral pneumonia; and 785, to other and unspecified pneumonia.

Chronic Obstructive Pulmonary Disease and Allied Conditions: Chronic obstructive pulmonary disease and allied conditions, which ranked as the fifth principal cause of death in 1981, accounted for 1,295 deaths, giving a death rate of 27.9 per 100,000 population. For the white population, the death rate was 30.4 for this cause; among the population of all other races, the death rate of 15.0 was much lower than among the white population. In both the white and the all other races populations, the rate for males was more than twice that for their female counterparts. Of the 1,295 deaths from this group of causes, 844 were assigned to chronic airways obstruction, not elsewhere classified; 274, to emphysema; 82, to bronchitis; 66, to asthma; and 29, to bronchiectasis.

Chronic Liver Disease and Cirrhosis: In 1981, there were 404 deaths from chronic liver disease and cirrhosis and a rate of 8.7 per 100,000 population. Of those who died from this cause, 339 were white corresponding to a rate of 8.7, and 65 were all other races with a rate of 8.6.

TABLE 27. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR ACCIDENTS AND ADVERSE EFFECTS, BY RACE, SEX, AND AGE, RESIDENT DATA, TENNESSEE, 1979-1981

Age Group	White		All Other Races	
	Male	Female	Male	Female
All ages	75.5	28.6	72.8	27.0
Under 5 years	31.1	20.1	31.0	29.0
5-9 years	17.3	7.9	33.1	16.1
10-14 years	25.4	11.4	18.0	5.4
15-19 years	100.4	38.6	47.4	10.8
20-24 years	124.5	28.6	54.9	13.3
25-29 years	96.0	21.5	71.6	12.8
30-34 years	72.5	18.9	100.0	11.9
35-44 years	66.7	17.5	94.8	14.0
45-54 years	65.7	20.4	101.4	23.5
55-64 years	73.6	20.3	121.0	34.3
65-74 years	96.9	32.6	135.8	63.9
75 years and over	208.0	144.4	299.4	189.5

Accidents and Adverse Effects: Accidents and adverse effects, the fourth principal cause of death, resulted in the deaths of 2,205 Tennessee residents during 1981,

corresponding to a rate of 47.6 per 100,000 population. Average annual death rates for accidents and adverse effects by race, sex, and age for 1979-1981 are given in Table 27. For all ages combined, the death rate for males was more than two and one-half times that for females in both the white and the all other races populations. The excess mortality in males over females was observed in every age group for both races. The increased mortality from accidents among young people, particularly white males, 15-24 years of age, is associated with the high incidence of motor vehicle accidents.

Comparison of mortality from accidents and adverse effects by race indicates that the average annual death rate for white males, all ages combined, was 3.7 percent higher than the comparable rate for males of all other races. The average annual death rate for white females, all ages combined, was 5.9 percent higher than the rate for females of all other races. For males, the rates for all other races exceeded the white rates at all ages except under 5 years and 10-29 years. Death rates for females of all other races exceeded those for white females in every age group except 10-44 years.

TABLE 28. NUMBER OF DEATHS FROM ACCIDENTS AND ADVERSE EFFECTS ACCORDING TO TYPE OF ACCIDENT WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1981

Type of Accident	Deaths	
	Number	Rate
Total	2,205	47.6
Motor vehicle (E810-E825)	1,132	24.4
Water transportation (E830-E838)	35	0.8
Air and space transportation (E840-E845)	15	0.3
Other transport (E800-E807, E826-E829, E846-E848)	9	0.2
Poisoning by drugs, medicaments, and biologicals (E850-E858)	52	1.1
Poisoning by other solid and liquid substances, gases, and vapors (E860-E869)	31	0.7
Falls (E880-E888)	227	4.9
Fire and flames (E890-E899)	151	3.3
Natural and environmental factors (E900-E909)	43	0.9
Drowning and submersion (E910)	108	2.3
Suffocation by food or other object (E911-E912)	80	1.7
Mechanical suffocation (E913)	9	0.2
Struck by falling object (E916)	23	0.5
Machinery (E919)	59	1.3
Firearm missile (E922)	71	1.5
Electric current (E925)	28	0.6
Other (E870-E876, E878-E879, E914-E915, E917-E918, E920-E921, E923-E924, E926-E949)	132	2.8

Data on mortality from accidents and adverse effects according to type of accident in 1981 are given in Table 28. There were 1,132 deaths due to motor vehicle accidents. The next three most frequently reported types of fatal accidents were: falls, 227; fire and flames, 151; and drowning and submersion, 108.

TABLE 29. NUMBER OF DEATHS FROM ACCIDENTS AND ADVERSE EFFECTS BY CLASS OF ACCIDENT WITH PERCENTAGES, RESIDENT DATA, TENNESSEE, 1981

Class of Accident	Number	Percent
Total	2,205	100.0
Home	433	19.6
Motor vehicle	1,132	51.3
Occupational	103	4.7
Other public	304	13.8
Unspecified	233	10.6

In Table 29, the distribution of accidental deaths is shown according to class of accident. Motor vehicles accounted for 51.3 percent of all accidental deaths; home accidents, 19.6 percent; other public, 13.8 percent; occupational, 4.7 percent; and unspecified accidents, 10.6 percent. In addition to the 103 deaths from occupational accidents, there were 47 deaths from accidents which were classified as motor vehicle or other transportation that occurred during the course of gainful employment. Thus, the total number of occupational accidental deaths was 150.

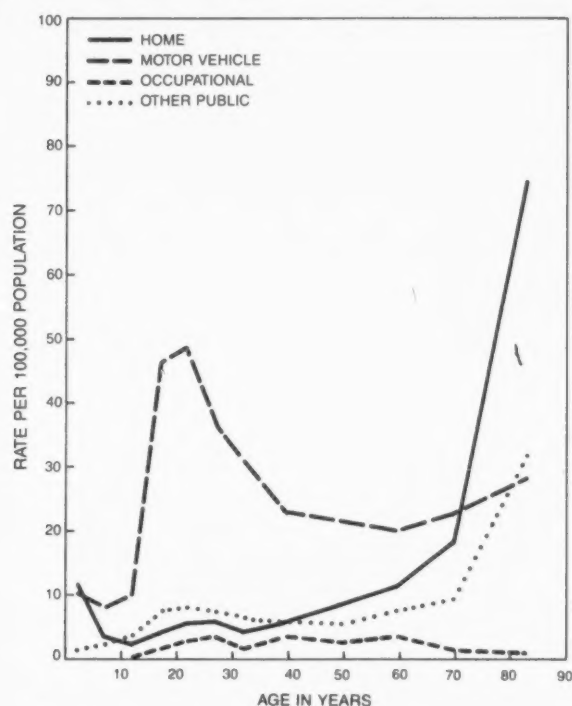


Figure 9. Average Annual Death Rates per 100,000 Population for Accidents and Adverse Effects According to Class of Accident, by Age, Resident Data, Tennessee, 1979-1981

Average annual death rates for each class of accident by age for 1979-1981 are given in Table 30 and Figure 9. The risk of a fatal home accident was comparatively great for children under 5 years of age and for persons 55 years of age and over. Death rates for motor vehicle accidents were highest for young persons 15-24 years of age.

TABLE 30. AVERAGE ANNUAL DEATH RATES PER 100,000 POPULATION FOR ACCIDENTS AND ADVERSE EFFECTS ACCORDING TO CLASS OF ACCIDENT, BY AGE, RESIDENT DATA, TENNESSEE, 1979-1981

Age Group	Home	Motor Vehicle	Occupational	Other Public
All ages	10.2	26.0	2.0	7.2
Under 5 years	11.8	10.4	—	1.4
5-9 years	3.4	8.3	—	2.6
10-14 years	2.6	10.0	0.1	3.6
15-19 years	4.3	46.3	1.5	7.7
20-24 years	5.6	48.5	2.7	8.3
25-29 years	5.8	36.0	3.5	7.4
30-34 years	4.4	30.8	1.8	6.6
35-44 years	5.8	23.2	3.7	6.1
45-54 years	8.7	21.6	2.7	5.5
55-64 years	11.5	20.1	3.7	7.8
65-74 years	18.5	22.8	1.8	9.5
75 years and over	74.4	28.3	0.9	31.9

Home Accidents: Data regarding deaths from home accidents by type and race are given in Table 31 and are shown by selected types for both races combined in Figure 10. Home accidents took the lives of 433 Tennessee residents in 1981 yielding a death rate of 9.3 per 100,000 population. Of these, 368 deaths were of white persons, and 65 were of persons of all other races with death rates of 9.5 and 8.6, respectively. Thus, the risk of mortality from home accidents was 10.5 percent greater for the white population than for the population of all other races. The most frequently reported type of home accident was fire and flames, with 143 deaths; falls ranked second with 114 deaths. Together, these two types of accidents accounted for 59.4 percent of all home accidents.

TABLE 31. NUMBER OF DEATHS FROM HOME ACCIDENTS ACCORDING TO TYPE OF ACCIDENT WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1981

Type of Accident	All Races		White		All Other Races	
	Number	Rate	Number	Rate	Number	Rate
Total	433	9.3	368	9.5	65	8.6
Poisoning	42	0.9	35	0.9	7	0.9
Falls	114	2.5	103	2.7	11	1.5
Fire and flames	143	3.1	114	2.9	29	3.9
Drowning	23	0.5	20	0.5	3	0.4
Suffocation by food or other object	17	0.4	13	0.3	4	0.5
Mechanical suffocation	5	0.1	5	0.1	—	—
Firearm missile	36	0.8	31	0.8	5	0.7
Other	53	1.1	47	1.2	6	0.8

Differences in the risk of mortality between the white and the all other races populations varied according to type of home accident. Death rates for the white population were higher than for all other races for all home accidents except poisoning (where the rates were equal), fire and flames, and suffocation by food or other object.

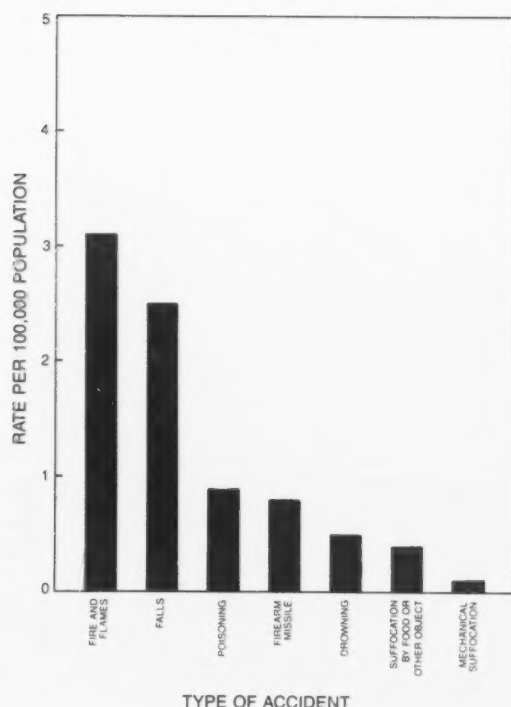


Figure 10. Death Rates per 100,000 Population for Selected Types of Home Accidents, Resident Data, Tennessee, 1981

Motor Vehicle Accidents: Data on mortality from motor vehicle accidents in 1981 according to type of accident are given in Table 32. There were 1,132 deaths of Tennessee residents from such accidents, or 24.4 per 100,000 population. Most of the fatalities, 97.7 percent, occurred on public highways and rights-of-way. In 432 or 38.2 percent of the total deaths, there was a collision with another motor vehicle, and in an additional 11.6 percent or 131 deaths, there was a collision with a pedestrian. Deaths resulting from noncollision accidents on public highways accounted for 141 deaths or 12.5 percent of the total motor vehicle deaths, and the majority of these were due to loss of control of the vehicle.

Suicide: There were 577 deaths of Tennessee residents stated to be by suicide in 1981, with a rate of 12.4 per 100,000 population. The death rate of 13.6 for the white population was over twice that of 6.2 for all other races. Also, the death rate (19.7) from suicide for males was almost three and one-half times the comparable rate (5.7) for females in 1981.

Homicide and Legal Intervention: In 1981, there were 510 deaths by homicide and legal intervention with a rate of 11.0 per 100,000 population. The rate for all other races of 30.2 was over four times higher than the white rate of 7.3. Mortality from homicide and legal intervention varied by urban character of county and race. The average rates for all SMSA's were 63.3 percent higher for all races, 4.2 percent higher for the white population, and 105.5 percent higher for all other races than the comparable rates for Non-SMSA counties.

TABLE 32. NUMBER OF DEATHS FROM MOTOR VEHICLE ACCIDENTS BY TYPE OF ACCIDENT WITH PERCENTAGES, RESIDENT DATA, TENNESSEE, 1981

Type of Accident	Number	Percent
Total	1,132	100.0
On public highway and its right-of-way	1,106	97.7
Collision of motor vehicle with		
Train (E810)	16	1.4
Another motor vehicle (E811-E812)	432	38.2
Other vehicle (E813)	11	1.0
Pedestrian (E814)	131	11.6
Other object (E815)	322	28.4
Noncollision		
Loss of control (E816)	136	12.0
Other (E817-E818)	5	0.4
Unspecified (E819)	53	4.7
On private driveway, industrial premise, road on farm, mine, etc.	26	2.3
Collision of motor vehicle with		
Moving object (E822)	11	1.0
Stationary object (E823)	1	0.1
Other and unspecified (E820-E821, E824-E825)	14	1.2

Marriages: In 1981, the 36th year for which data for marriages have been analyzed and included in the *Vital Statistics Bulletin*, 60,058 marriages were recorded in Tennessee. This is the largest number of marriages recorded since records were first kept in 1946. The 60,058 recorded marriages in 1981 represented a 1.5 percent increase over the 59,176 marriages recorded in 1980. Since 1972, there were decreases in the number of recorded marriages in only two years, 1974 and 1975.

TABLE 33. NUMBER OF MARRIAGES RECORDED AND PERSONS MARRIED WITH RATES PER 1,000 POPULATION, TENNESSEE, 1972-1981

Year	Marriages Recorded	Persons Married Number	Rate
1972	56,164	112,328	27.5
1973	56,285	112,570	27.2
1974	54,609	109,218	26.0
1975	51,528	103,056	24.2
1976	53,273	106,546	24.6
1977	55,326	110,652	25.1
1978	57,524	115,048	25.8
1979	59,152	118,304	26.1
1980	59,176	118,352	25.8
1981	60,058	120,116	25.9

The general trend of the marriage rate for the period 1950-1972 was upward. In the years 1973 to 1975, the marriage rate decreased by percentages of 1.1, 4.4, and 6.9, respectively. From 1976 to 1979, the marriage rate increased between 1.2 and 2.8 percent each year, but in 1980, the rate again decreased by 1.1 percent. For 1981, the rate again increased, although by only 0.1 percent.

The average number of marriages recorded per day in Tennessee during 1981 was 164.5 (Table 34). There was variation in the average number of marriages per day according to month, with the highest average of 223.2 recorded in June, followed by August with 191.7, and with the lowest average of 121.0 in January.

TABLE 34. NUMBER OF MARRIAGES BY MONTH WITH AVERAGE PER DAY, RECORDED DATA, TENNESSEE, 1981

Month	Number	Average per day	Month	Number	Average per day
Total	60,058	164.5	June	6,697	223.2
January	3,751	121.0	July	5,438	175.4
February	4,112	146.9	August	5,943	191.7
March	4,301	138.7	September	4,818	160.6
April	4,752	158.4	October	5,045	162.7
May	5,541	178.7	November	4,492	149.7
			December	5,168	166.7

In 1981, the most frequently stated age at marriage was 18 years for the bride and 21 years for the groom.

Data regarding the previous marital status of the bride and groom are shown in Table 35. In 44.1 percent of the marriages, both the bride and the groom were marrying for the first time, while in 33.1 percent of the marriages, both the bride and the groom had been previously married.

TABLE 35. NUMBER OF MARRIAGES ACCORDING TO PREVIOUS MARITAL STATUS OF BRIDE AND GROOM, RECORDED DATA, TENNESSEE, 1981

Groom	Total	Bride			
		Single	Widowed	Divorced	Unknown
Total	60,058	33,376	2,590	23,710	382
Single	32,998	26,507	317	6,035	139
Widowed	2,110	219	1,009	877	5
Divorced	24,675	6,599	1,259	16,763	54
Unknown	275	51	5	35	184

Table XII presents data regarding marriages by county of occurrence. No analysis was done according to residence of the bride and groom due to incompleteness of residence data on certificates. There were eight counties with recorded rates of 50 or more persons married per 1,000 population, and five of these counties had rates in excess of 100. Seven of the eight counties are on or near the Kentucky border. Six of the eight counties are in Middle Tennessee, and two are in East Tennessee.

Divorces: In 1981, the 36th consecutive year for which data for divorces have been analyzed and included in the *Vital Statistics Bulletin*, 31,135 divorces were recorded in

Tennessee. This was the largest number of divorces recorded since records were first kept in 1946. There were 62,270 persons granted divorces in 1981, giving a divorce rate of 13.4 divorced persons per 1,000 population. During the 10 years, 1972-1981, the divorce rate showed a steady upward trend with rates ranging from 10.1 to 13.4 divorced persons per 1,000 population (Table 36). The rate of 13.4 showed a 1.5 percent increase from the rate of 13.2 in 1980.

TABLE 36. NUMBER OF DIVORCES RECORDED AND PERSONS DIVORCED WITH RATES PER 1,000 POPULATION, TENNESSEE, 1972-1981

Year	Divorces Recorded	Persons Divorced	
		Number	Rate
1972	20,601	41,202	10.1
1973	22,072	44,144	10.7
1974	23,734	47,468	11.3
1975	24,701	49,402	11.6
1976	27,084	54,168	12.5
1977	27,502	55,004	12.5
1978	28,474	56,948	12.8
1979	29,792	59,584	13.1
1980	30,283	60,566	13.2
1981	31,135	62,270	13.4

Of the 31,135 divorces, 3.8 percent or 1,168 were obtained within the first year of marriage, and 49.1 percent or 15,273 were granted to couples who were married 5 years or less. Divorces were granted to 2,921 couples or 9.4 percent who had been married 20 years or more.

No minor children were involved in 42.8 percent or 13,325 of the divorces; for another 26.8 percent or 8,356 of the divorces, only 1 minor child was involved.

Many factors need to be considered in the interpretation of these divorce statistics. The number of divorces that occurs in a calendar year cannot be related to the number of marriages that occurs in the same time period. The marriages that end in divorce may have occurred at various times and in various states. Table XII shows divorces recorded in Tennessee in 1981 by the county where the decree was granted. No analysis was done according to residence of the parties due to incompleteness of residence data on certificates.

TABLE I—POPULATION, BIRTHS AND DEATHS WITH RATES PER 1,000 POPULATION, FETAL DEATHS WITH RATIOS PER 1,000 LIVE BIRTHS, AND INFANT AND NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RECORDED AND RESIDENT DATA, TENNESSEE, 1962-1981

YEAR	ESTIMATED POPULATION			LIVE BIRTHS						DEATHS					
				ALL RACES		WHITE		ALL OTHER RACES		ALL RACES		WHITE		ALL OTHER RACES	
	ALL RACES	WHITE	ALL OTHER RACES	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
RECORDED															
1962	3,647,324	3,048,891	598,433	82,868	22.7	64,751	21.2	18,117	30.3	35,566	9.8	28,135	9.2	7,431	12.4
1963	3,682,982	3,080,512	602,470	81,391	22.1	63,675	20.7	17,716	29.4	37,241	10.1	29,491	9.6	7,750	12.9
1964	3,718,644	3,112,124	606,520	82,224	22.1	64,386	20.7	17,837	29.4	36,614	9.8	29,089	9.3	7,525	12.4
1965	3,754,301	3,143,747	610,554	75,610	20.1	58,682	18.7	16,928	27.7	36,853	9.8	29,573	9.4	7,280	11.9
1966	3,789,961	3,175,364	614,597	71,919	19.0	56,355	17.7	15,564	25.3	38,028	10.0	30,398	9.6	7,630	12.4
1967	3,825,626	3,206,983	618,643	70,604	18.5	55,371	17.3	15,233	24.6	37,702	9.9	30,400	9.5	7,302	11.8
1968	3,861,282	3,238,596	622,686	69,921	18.1	55,062	17.0	14,858	23.8	39,321	10.2	31,366	9.7	7,954	12.8
1969	3,896,939	3,270,216	626,723	73,156	18.8	57,678	17.6	15,478	24.7	39,325	10.2	32,113	9.8	7,812	12.5
1970	3,926,018	3,297,216	628,802	75,706	19.3	59,349	18.0	16,359	26.0	40,236	10.2	32,581	9.9	7,654	12.2
1971	4,010,049	3,373,279	636,770	74,948	18.7	58,700	17.4	16,247	25.5	40,054	10.0	32,473	9.6	7,581	11.9
1972	4,087,692	3,442,625	645,067	69,473	17.0	54,125	15.7	15,346	23.8	41,614	10.2	33,905	9.8	7,709	12.0
1973	4,138,358	3,491,858	646,500	67,789	16.4	52,463	15.0	15,323	23.7	42,230	10.2	34,323	9.8	7,902	12.2
1974	4,201,224	3,547,875	653,349	67,882	16.2	52,763	14.9	15,119	23.1	41,813	10.0	34,168	9.6	7,643	11.7
1975	4,260,910	3,603,663	657,247	65,752	15.4	50,856	14.1	14,895	22.7	40,967	9.6	33,521	9.3	7,445	11.3
1976	4,328,913	3,668,603	660,310	65,644	15.2	50,916	13.9	14,725	22.3	41,319	9.5	34,065	9.3	7,252	11.0
1977	4,402,111	3,737,934	664,177	69,983	15.9	54,421	14.6	15,561	23.4	41,492	9.4	34,170	9.1	7,322	11.0
1978	4,461,825	3,794,296	667,529	70,202	15.7	53,861	14.2	16,333	24.5	41,106	9.2	34,026	9.0	7,080	10.6
1979	4,533,370	3,859,505	673,865	72,127	15.9	55,121	14.3	17,006	25.2	41,067	9.1	33,845	8.8	7,222	10.7
1980	4,591,120	3,835,452	755,668	72,867	15.9	55,753	14.5	17,110	22.6	43,153	9.4	35,461	9.2	7,690	10.2
1981	4,636,018	3,883,140	752,878	70,747	15.3	54,170	14.0	16,570	22.0	42,946	9.3	35,625	9.2	7,319	9.7
RESIDENT															
1962				80,893	22.2	62,945	20.6	17,948	30.0	34,025	9.3	26,852	8.8	7,173	12.0
1963				79,715	21.6	62,145	20.2	17,570	29.2	35,633	9.7	28,223	9.2	7,410	12.3
1964				80,100	21.5	62,526	20.1	17,572	29.0	34,815	9.4	27,597	8.9	7,218	11.9
1965				72,990	19.4	56,380	17.9	16,610	27.2	35,049	9.3	28,116	8.9	6,933	11.4
1966				68,871	18.2	53,769	16.9	15,102	24.6	36,108	9.5	28,873	9.1	7,235	11.8
1967				67,740	17.7	52,991	16.5	14,749	23.8	35,736	9.3	28,843	9.0	6,893	11.1
1968				67,029	17.4	52,779	16.3	14,249	22.9	37,373	9.7	29,827	9.2	7,545	12.1
1969				69,921	17.9	55,133	16.9	14,788	23.6	37,832	9.7	30,441	9.3	7,391	11.8
1970				72,273	18.4	56,777	17.2	15,493	24.6	38,079	9.7	30,878	9.4	7,200	11.5
1971				71,202	17.8	56,075	16.6	15,125	23.8	37,783	9.4	30,671	9.1	7,112	11.2
1972				65,802	16.1	51,609	15.0	14,191	22.0	39,345	9.6	32,039	9.3	7,306	11.3
1973				64,303	15.5	50,113	14.4	14,187	21.9	39,724	9.6	32,319	9.3	7,394	11.4
1974				64,154	15.3	50,201	14.1	13,952	21.4	39,376	9.4	32,214	9.1	7,158	11.0
1975				62,265	14.6	48,453	13.4	13,808	21.0	38,522	9.0	31,504	8.7	7,013	10.7
1976				62,514	14.4	48,750	13.3	13,760	20.8	38,938	9.0	32,086	8.7	6,847	10.4
1977				66,632	15.1	52,110	13.9	14,521	21.9	39,080	8.9	32,110	8.6	6,970	10.5
1978				66,466	14.9	51,183	13.5	15,275	22.9	38,654	8.7	31,964	8.4	6,690	10.0
1979				68,326	15.1	52,303	13.6	16,021	23.8	38,712	8.5	31,837	8.2	6,875	10.2
1980				69,102	15.1	52,967	13.8	16,129	21.3	40,713	8.9	33,416	8.7	7,291	9.6
1981				67,050	14.5	51,429	13.2	15,614	20.7	40,480	8.7	33,533	8.6	6,941	9.2
FETAL DEATHS**															
YEAR	ALL RACES		WHITE		ALL OTHER RACES		INFANT DEATHS				NEONATAL DEATHS				
	No.	Ratio	No.	Ratio	No.	Ratio	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
RECORDED															
1962	1,484	17.9	966	14.9	517	28.5	2,464	29.7	1,668	25.8	796	43.9	1,710	20.6	
1963	1,436	17.6	903	14.2	532	30.0	2,381	29.3	1,566	24.6	815	46.0	1,639	20.1	
1964	1,402	17.1	914	14.2	487	27.3	2,425	29.5	1,666	25.9	759	42.6	1,675	20.4	
1965	1,359	18.0	819	14.0	539	31.8	2,160	28.6	1,423	24.2	737	43.5	1,514	20.0	
1966	1,262	17.5	865	15.3	395	25.4	1,964	27.3	1,288	22.9	676	43.4	1,368	19.0	
1967	1,153	16.3	762	13.8	391	25.7	1,815	25.7	1,219	22.0	596	39.1	1,288	18.2	
1968	1,243	17.8	807	14.7	431	29.0	1,686	24.1	1,129	20.5	556	37.5	1,205	17.2	
1969	1,180	16.1	758	13.1	421	27.2	1,661	22.7	1,112	19.3	549	35.5	1,216	16.6	
1970	1,202	15.9	801	13.5	401	24.5	1,650	21.8	1,140	19.2	510	31.2	1,260	16.6	
1971	1,092	14.6	727	12.4	357	22.0	1,615	21.5	1,145	19.5	470	28.9	1,211	16.2	
1972	981	14.1	665	12.3	314	20.5	1,536	22.1	1,033	19.1	503	32.8	1,140	16.4	
1973	962	14.2	669	12.8	292	19.1	1,476	21.8	1,010	19.3	465	30.3	1,086	16.0	
1974	932	13.7	642	12.2	286	18.9	1,253	18.5	845	16.0	408	27.0	936	13.8	
1975	816	12.4	531	10.4	284	19.1	1,177	17.9	802	15.8	375	25.2	861	13.1	
1976	814	12.4	551	10.8	263	17.9	1,136	17.3	759	14.9	377	25.6	825	12.6	
1977	860	12.3	607	11.2	252	16.2	1,183	16.9	803	14.8	380	24.4	842	12.0	
1978	755	10.8	504	9.4	251	15.4	1,126	16.0	763	14.2	363	22.2	816	11.6	
1979	691	9.6	467	8.5	217	12.8	1,091	15.1	719	13.0	372	21.9	746	10.3	
1980	650	8.9	418	7.5	232	13.6	1,075	14.8	715	12.8	360	21.0	743	10.2	
1981	639	9.0	423	7.8	215	13.0	970	13.7	599	11.1	371	22.4	692	9.8	
RESIDENT															
1962	1,428	17.7	929	14.8	498	27.7	2,297	28.4	1,543	24.5	754	42.0	1,600	19.8	
1963	1,382	17.3	884	14.2	497	28.3	2,224	27.9	1,459	23.5	765	43.5	1,545	19.4	
1964	1,333	16.6	886	14.2	446	25.4	2,255	28.2	1,547	24.7	708	40.3	1,569	19.6	
1965	1,296	17.8	799	14.2	496	29.9	2,024	27.7	1,327	23.5	697	42.0	1,409	19.3	
1966	1,193	17.3	826	15.4	364	24.1	1,790	26.0	1,185	22.1	604	40.0	1		

TABLE II—DEATHS FROM SELECTED INFECTIOUS AND PARASITIC DISEASES WITH RATES PER 100,000 POPULATION, RESIDENT DATA, TENNESSEE, 1962-1981§

YEAR	Typhoid and paratyphoid fevers (002)	Other salmonella infections (003)	Shigellosis (004)	Amebiasis (006)	Tuberculosis, all forms (010-018)	Tuberculosis of respiratory system (010-012)	Whooping cough (033)	Streptococcal sore throat, scarlatina, and erysipelas (034-035)	Meningococcal infection (036)	Tetanus (037)	Septicemia (038)	Viral encephalitis (049.8-049.9, 062.064)	Measles (055)	Viral hepatitis (070)	Mumps (072)	Rocky Mountain spotted fever (082.0)	Syphilis (090-097)	Gonococcal infections and other venereal diseases (098-099.2, 099.4-099.9)
1962	1	2	6	1	290	265	2	9	12	6	41	13	17	29			37	
Rate	x	0.1	0.2	x	8.0	7.3	0.1	0.2	0.3	0.2	1.1	0.4	0.5	0.8			1.0	
1963	3		9	2	278	260	2	6	27	9	44	9	7	28	1		31	
Rate	0.1		0.2	0.1	7.5	7.1	0.1	0.2	0.7	0.2	1.2	0.2	0.2	0.8	x		0.8	
1964	1	1	10		247	226	2	5	25	8	39	6	18	15	2	2	28	
Rate	x	x	0.3		6.6	6.1	0.1	0.1	0.7	0.2	1.0	0.2	0.5	0.4	0.1	0.1	0.8	
1965			2		235	216	1	3	28	10	31	8	5	15	1	4	19	
Rate			0.1		6.3	5.8	x	0.1	0.7	0.3	0.8	0.2	0.1	0.4	x	0.1	0.5	
1966	1		2		223	195	3	4	19	3	52	11	10	23	1	3	27	1
Rate	x		0.1		5.9	5.1	0.1	0.1	0.5	0.1	1.4	0.3	0.3	0.6	x	0.1	0.7	x
1967	1	1	1	2	185	174	1	1	28	2	30	12		23	2	3	28	1
Rate	x	x	x	0.1	4.8	4.5	x	x	0.7	0.1	0.8	0.3		0.6	0.1	0.1	0.7	x
1968		1	4		153	140			22	6	32	9	1	32	1	3	11	1
Rate		x	0.1		4.0	3.6			0.6	0.2	0.8	0.2	x	0.8	x	0.1	0.3	x
1969				1	145	130	1	1	17	2	32	19		37		1	13	
Rate				x	3.7	3.3	x	x	0.4	0.1	0.8	0.5		0.9		x	0.3	
1970	2			1	121	103		1	20	2	23	5	3	38		2	10	1
Rate	0.1			x	3.1	2.6		x	0.5	0.1	0.6	0.1	0.1	1.0		0.1	0.3	x
1971		2	2		125	106		2	12	4	37	6	2	28	1	5	9	4
Rate		x	x		3.1	2.6		x	0.3	0.1	0.9	0.1	x	0.7	x	0.1	0.2	0.1
1972		3	1	1	121	108			5	5	38	5	1	27		4	10	3
Rate		0.1	x	x	3.0	2.6			0.1	0.1	0.9	0.1	x	0.7		0.1	0.2	0.1
1973	1	4	2		99	93		2	7	2	48	6	1	31	2	1	15	1
Rate	x	0.1	x		2.4	2.2		x	0.2	x	1.2	0.1	x	0.7	x	x	0.4	x
1974		2			97	85		2	12	1	60	14		35		5	4	1
Rate		x			2.3	2.0		x	0.3	x	1.4	0.3		0.8		0.1	0.1	x
1975		1			103	90		2	7	2	74	26		29		2	5	1
Rate		x			2.4	2.1		x	0.2	x	1.7	0.6		0.7		x	0.1	x
1976		1	1		93	87			11		97	14		26		4	4	
Rate		x	x		2.1	2.0			0.3		2.2	0.3		0.6		0.1	0.1	
1977	1				113	103	1	1	9		73	7	1	13		2	9	
Rate	x				2.6	2.3	x	x	0.2		1.7	0.2	x	0.3		x	0.2	
1978		1	2		68	61			12		113	3		23		2		
Rate		x	x		1.5	1.4			0.3		2.5	0.1		0.5		x		
1979		1	1		63	51	1	1	10		98	4		18		2	6	1
Rate		x	x		1.4	1.1	x	x	0.2		2.2	0.1		0.4		x	0.1	x
1980		1			62	53		2	5		142	7		20		2	4	
Rate		x			1.4	1.2		x	0.1		3.1	0.2		0.4		x	0.1	
1981		2			57	52			11	1	141	3		24		1	2	
Rate		x			1.3	1.1			0.2	x	3.0	0.1		0.5		x	x	

§ Cause titles are shown according to the Ninth Revision International Classification of Diseases, 1975. Where necessary, regrouping of causes for 1962-1978 has been done to make numbers for these years correspond as nearly as possible with those for 1979-1981. For more detailed information see page 8 of this Bulletin.
x Rate less than 0.05.

TABLE III—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1962-1981§

YEAR	TOTAL DEATHS*												MALIGNANT NEOPLASMS, ALL SITES															
	WHITE						ALL OTHER RACES						WHITE						ALL OTHER RACES									
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1962	34,025	9.3	26,852	8.8	15,185	10.2	11,667	7.5	7,173	12.0	3,838	13.5	3,334	10.6	4,650	127.5	3,810	125.0	1,968	131.9	1,842	118.3	840	140.4	403	141.7	437	139.2
1963	35,633	9.7	28,223	9.2	16,272	10.8	11,950	7.6	7,410	12.3	4,015	14.0	3,394	10.7	5,134	139.4	4,187	135.9	2,263	150.3	1,924	122.2	847	157.2	482	168.6	455	146.9
1964	34,815	9.4	27,597	8.9	15,727	10.3	11,867	7.5	7,218	11.9	3,922	13.6	3,295	10.3	4,888	131.4	4,019	129.1	2,090	137.5	1,929	121.2	869	143.3	426	148.2	443	138.8
1965	35,049	9.5	28,116	8.9	16,061	10.5	12,053	7.5	6,933	11.4	3,736	12.9	3,197	9.9	5,108	136.1	4,215	134.1	2,228	145.2	1,987	123.5	893	146.3	475	164.4	418	130.0
1966	36,108	9.5	28,873	9.1	16,589	10.7	12,282	7.5	7,235	11.8	3,884	13.4	3,350	10.3	5,202	137.3	4,277	134.7	2,297	148.3	1,980	121.7	925	150.5	461	158.8	484	143.1
1967	35,736	9.3	28,843	9.0	16,713	10.7	12,128	7.4	6,893	11.1	3,770	12.9	3,123	9.6	5,465	142.9	4,535	141.4	2,403	153.8	2,132	129.7	930	150.3	499	171.0	431	131.9
1968	37,373	9.7	29,827	9.2	17,120	10.9	12,706	7.6	7,545	12.1	4,136	14.1	3,409	10.3	5,713	148.0	4,697	145.0	2,502	158.7	2,195	132.1	1,016	163.2	549	187.2	467	141.8
1969	37,832	9.7	30,441	9.3	17,367	10.9	13,073	7.8	7,391	11.8	4,003	13.6	3,388	10.2	5,737	147.2	4,690	143.4	2,559	160.8	2,131	126.9	1,047	167.1	581	197.1	466	140.4
1970	38,079	9.7	30,878	9.4	17,796	11.1	13,081	7.7	7,200	11.5	3,856	13.1	3,344	10.0	5,984	152.4	4,946	150.0	2,725	169.9	2,221	131.1	1,038	165.1	558	189.0	480	143.9
1971	37,783	9.4	30,671	9.1	17,427	10.6	13,242	7.6	7,112	11.2	3,898	13.4	3,214	9.5	6,070	151.4	5,029	149.1	2,759	168.3	2,270	130.9	1,041	163.5	593	196.8	448	132.5
1972	39,345	9.6	32,039	9.3	18,226	10.9	13,812	7.8	7,306	11.3	4,183	13.8	3,122	9.1	6,266	153.3	5,186	150.6	2,848	170.3	2,338	132.1	1,080	167.4	623	206.3	457	133.2
1973	39,724	9.6	32,319	9.3	18,350	10.8	13,967	7.8	7,394	11.4	4,062	13.4	3,331	9.7	6,501	157.1	5,311	152.1	2,986	176.0	2,325	129.5	1,186	183.4	687	227.2	499	145.0
1974	39,376	9.4	32,214	9.1	18,187	10.6	14,027	7.7	7,158	11.0	3,881	12.7	3,276	9.4	6,718	159.9	5,518	155.5	3,057	177.4	2,461	134.9	1,198	183.4	703	230.3	495	142.2
1975	38,522	9.0	31,504	8.7	17,752	10.1	13,752	7.4	7,013	10.7	3,813	12.4	3,200	9.1	6,869	161.2	5,660	157.1	3,127	178.7	2,333	136.6	1,209	183.9	683	222.8	526	150.0
1976	38,938	9.0	32,086	8.7	18,161	10.2	13,922	7.4	6,847	10.4	3,769	12.2	3,078	8.7	7,198	166.3	5,922	161.4	3,334	187.3	2,588	137.1	1,276	193.2	740	240.5	536	152.0
1977	39,080	8.9	32,110	8.6	18,209	10.0	13,901	7.2	6,970	10.5	3,827	12.4	3,143	8.9	7,507	170.5	6,209	166.1	3,529	194.6	2,680	139.2	1,298	195.4	751	243.9	544	153.3
1978	38,654	8.7	31,964	8.4	17,939	9.8	14,024	7.2	6,690	10.0	3,652	11.8	3,038	8.5	7,492	167.9	6,233	164.3	3,511	190.9	2,722	139.2	1,259	188.6	764	245.1	498	139.3
1979	37,712	8.5	31,837	8.2	17,816	9.5	14,021	7.0	6,875	10.2	3,862	12.3	3,013	8.4	7,792	171.9	6,456	167.3	3,643	194.8	2,813	141.4	1,336	198.3	798	254.9	538	149.1
1980	40,713	8.9	33,416	8.7	18,494	9.9	14,921	7.6	7,291	9.6	3,941	11.1	3,303	8.3	8,304	180.9	6,868	179.1	3,909	209.9	2,959	150.0	1,436	190.0	788	222.5	648	161.4
1981	40,480	8.7	33,533	8.6	18,523	9.8	15,010	7.5	6,941	9.2	3,794	10.8	3,147	7.9	8,355	180.2	6,930	178.5	3,903	207.0	3,027	151.5	1,425	189.3	856	242.9	569	142.1

YEAR	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS AND PERITONEUM														MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS																																									
	WHITE														ALL OTHER RACES														WHITE														ALL OTHER RACES													
	ALL RACES				TOTAL				MALE				FEMALE				TOTAL				MALE				FEMALE				TOTAL				MALE				FEMALE																			
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate																										
1962	1,422	39.0	1,165	38.2	600	40.2	565	36.3	257	42.9	138	48.5	119	37.9	728	20.0	621	20.4	520	34.9	101	6.5	107	17.9	83	29.2	24	7.6																												
1963	1,489	40.4	1,172	38.0	610	40.5	562	35.7	317	52.6	183	64.0	134	42.3	881	23.9	765	24.8	648	43.0	117	7.4	116	19.3	95	33.2	21	6.6																												
1964	1,381	37.4	1,134	36.4	578	38.0	556	34.9	257	42.4	140	48.7	117	36.7	797	21.4	670	21.5	583	38.4	87	5.5	127	20.9	109	37.9	18	5.6																												
1965	1,525	40.6	1,225	39.0	595	38.8	630	39.1	300	49.1	188	65.1	112	34.8	860	22.9	735	23.4	621	40.5	114	7.1	125	20.5	107	37.0	18	5.6																												
1966	1,541	40.7	1,260	39.7	647	41.8	613	37.7	281	45.7	145	49.9	136	41.9	992	26.2	848	26.7	711	45.9	137	8.4	144	23.4	120	41.3	24	7.4																												
1967	1,636	42.8	1,390	40.5	660	42.2	640	38.9	336	54.3	189	64.8	147	45.0	1,008	26.3	867	27.0	731	46.8	136	8.3	141	22.8	115	39.4	26	8.0																												
1968	1,530	39.6	1,243	38.4	595	37.7	648	39.0	287	46.1	157	53.5	125	37.5	1,197	31.0	1,021	31.5	856	54.3	165	9.9	176	28.3	145	49.4	31	9.4																												
1969	1,540	39.5	1,242	38.0	614	38.6	628	37.4	298	47.5	173	58.7	125	37.7	1,190	30.5	1,014	31.0	879	55.2	135	8.0	176	28.1	149	50.5	27	8.1																												
1970	1,560	39.7	1,273	38.6	626	39.0	647	38.2	287	45.6	157	53.2	120	39.0	1,351	34.4	1,156	35.1	982	61.2	174	10.3	195	31.0	154	52.1	41	12.3																												
1971	1,643	41.0	1,325	39.3	674	41.1	651	37.6	318	49.9	195	65.3	133	36.4	1,349	33.6	1,172	34.7	982	59.9	190	11.0	177	27.8	147	49.2	30	8.9																												
1972	1,562	38.2	1,287	37.4	638	38.1	649	36.7	275	42.6	152	50.3	123	35.9	1,459	35.7	1,223	35.5	1,023	61.2	200	11.3	236	36.6	197	65.2	39	11.2																												
1973	1,626	39.3	1,278	36.6	679	40.0	599	33.4	347	53.7	197	65.2	150	43.6	1,564	37.8	1,317	37.7	1,107	65.3	210	11.7	247	38.2	198	65.5	49	14.2																												
1974	1,630	38.8	1,314	37.0	658	38.2	656	35.9	316	48.4	179	58.7	137	39.3	1,691	40.3	1,436	40.5	1,206	70.0	230	12.6	254	38.9	214	70.1	40	11.5																												
1975	1,717	40.3	1,383	38.4	731	41.8	652	35.2	334	50.8	192	62.6	142	40.5	1,675	39.3	1,422	39.5	1,150	65.7	272	14.7	253	38.5	202	65.9	51	14.5																												
1976	1,785	41.2	1,447	39.4	738	41.5	709	37.5	338	51.2	183	59.5	155	44.0	1,894	43.8	1,599	43.6	1,307	73.4	292	15.5	295	44.7	233	75.7	62	17.6																												
1977	1,845	41.9	1,500	40.1	777	42.9	723	37.6	345	51.9	186	60.2	159	44.8	2,041	46.4	1,723	46.1	1,361	75.1	362	18.8	318	47.9	261	84.4	57	16.1																												
1978	1,763	39.5	1,418	37.4	683	37.1	735	37.6	345	51.9	194	62.5	151	42.3	2,077	46.6	1,796	47.4	1,460	79.4	338	17.3	279	41.8	231	74.4	48	13.4																												
1979	1,925	42.5	1,557	40.3	785	42.0	772	38.8	368	54.6	214	68.4	154	42.7	2,204	48.6	1,859	48.2	1,440	78.3	395	19.9	345	51.2	281	89.8	64	17.7																												
1980	1,945	44.5	1,640	42.8	870	46.7	770	39.0	401	53.1	228	64.4	173	43.1	2,363	51.5	2,034	53.0	1,569	84.2	465	23.6	329	43.5	240	67.8	89	22.2																												
1981	2,008	43.3	1,613	41.5	850	45.1	763	38.2	395	52.5	218	61.9	177	44.2	2,404	51.9	2,034	52.4	1,558	82.6	476	23.8	370	49.1	294	83.9	76	19.0																												

YEAR	MALIGNANT NEOPLASMS OF BREAST												MALIGNANT NEOPLASMS OF GENITAL ORGANS															
	WHITE								ALL OTHER RACES				WHITE								ALL OTHER RACES							
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1962	387	10.6	321	10.5	2	0.1	319	20.5	66	11.0	1	0.4	65	20.7	764	20.9	558	18.3	213	14.3	345	22.2	206	34.4	81	28.5	125	39.4
1963	394	10.7	313	10.2	1	0.1	312	19.8	81	13.4	.....	.....	81	25.6	874	23.7	665	21.6	261	17.3	404	25.7	209	34.7	88	30.8	121	38.1
1964	424	11.4	347	11.1	2	0.1	345	21.7	77	12.7	.....	1 0.3	76	23.8	787	21.2	594	19.1	221	14.5	373	23.4	193	31.8	72	25.1	121	37.5
1965	431	11.5	340	10.8	3	0.2	337	20.9	91	14.9	.....	1 0.3	90	28.0	863	23.0	671	21.3	264	17.2	407	25.3	192	31.4	72	24.9	120	37.5
1966	445	11.7	356	11.2	4	0.3	352	21.6	89	14.5	.....	.....	89	27.4	784	20.7	584	18.4	221	14.3	363	22.3	200	32.5	88	30.3	112	34.7
1967	486	12.7	418	13.0	1	0.1	417	25.4	68	11.0	.....	.....	68	20.8	791	20.2	620	19.3	257	16.4	363	22.1	171	27.6	77	26.4	94	28.8
1968	442	11.4	371	11.5	3	0.2	368	22.1	71	11.4	.....	2 0.7	69	20.9	864	22.4	659	20.3	244	15.5	415	25.0	205	32.9	95	32.4	110	33.4
1969	498	12.8	405	12.4	1	0.1	404	24.1	93	14.8	.....	.....	93	28.0	819	21.0	625	19.1	266	16.7	359	21.4	194	31.0	89	30.2	105	31.6
1970	476	12.2	396	12.0	3	0.2	393	23.2	82	13.0	.....	.....	82	24.6	833	21.2	653	19.8	278	17.3	375	22.1	180	28.6	96	32.5	84	25.2
1971	523	13.0	435	12.9	2	0.1	433	25.0	88	13.8	.....	.....	88	26.0	836	20.8	645	19.1	282	17.2	363	20.9	191	30.0	93	31.1	98	29.0
1972	541	13.2	445	12.9	1	0.1	444	25.1	96	14.9	.....	1 0.3	95	27.7	855	20.9	658	19.1	279	16.7	379	21.4	197	30.5	101	33.4	96	28.6
1973	529	12.8	453	13.0	2	0.1	451	25.1	76	11.8	.....	1 0.3	75	21.8	866	20.9	653	18.7	269	15.9	384	21.4	213	32.9	108	35.7	105	30.5
1974	562	13.9	485	13.7	5	0.3	480	26.3	97	14.8	.....	2 0.7	95	27.3	882	21.0	674	19.0	286	16.7	386	21.2	208	31.6	119	39.0	89	25.6
1975	586	13.0	473	13.1	5	0.3	468	25.2	83	12.6	.....	3 1.0	80	22.8	865	20.3	664	18.4	304	17.4	380	19.4	201	30.6	104	33.9	97	27.7
1976	563	13.0	473	12.9	.....	.....	473	25.0	90	13.6	.....	4 1.3	86	24.4	852	19.7	656	17.9	291	16.3	385	19.3	196	29.7	116	37.7	80	22.7
1977	580	13.2	490	13.1	6	0.3	484	25.1	90	13.6	.....	1 0.3	89	25.1	922	20.9	712	19.0	331	18.3	381	19.8	210	31.6	118	38.2	92	25.9
1978	602	13.5	504	13.3	7	0.4	497	25.4	98	14.7	.....	1 0.3	97	27.2	972	19.5	676	17.8	315	18.1	381	18.5	196	29.4	120	38.7	76	21.3
1979	575	12.7	475	12.3	3	0.2	472	23.7	100	14.8	.....	.....	100	27.7	912	20.1	709	18.4	320	17.1	389	19.6	203	30.1	114	36.4	89	24.7
1980	570	12.4	469	12.2	4	0.2	465	23.6	101	13.4	.....	1 0.3	100	24.9	1,006	21.9	701	18.0	360	19.3	411	20.8	235	31.1	117	33.0	118	29.4
1981	660	14.2	555	14.3	4	0.2	551	27.6	105	13.9	.....	2 0.6	103	25.7	954	20.6	745	19.2	368	19.5	377	18.9	209	27.8	141	40.0	68	17.0

§ Cause titles are shown according to the *Ninth Revision International Classification of Diseases*, 1975. Where necessary, regrouping of causes for 1962-1978 has been done to make numbers for these years correspond as nearly as possible with those for 1979-1981. For more detailed information see page 8 of this Bulletin.

* Rate per 1,000 population.
Totals may include one or more deaths with race and/or sex not stated

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1962-1981§

YEAR	DIABETES MELLITUS														DISEASES OF HEART													
	WHITE						ALL OTHER RACES								WHITE						ALL OTHER RACES							
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1962	455	12.5	345	11.3	154	10.3	191	12.3	110	18.4	37	13.0	73	23.3	11,996	328.9	9,971	327.0	5,907	396.0	4,064	261.0	2,025	338.4	1,060	372.6	965	307.4
1963	428	11.6	334	10.8	142	9.4	192	12.2	94	15.6	34	11.9	60	19.0	12,561	341.1	10,481	340.2	6,322	419.9	4,159	264.1	2,080	345.2	1,109	387.8	971	306.8
1964	448	12.0	329	10.6	140	9.2	189	11.9	119	19.6	44	15.3	75	23.5	12,558	337.7	10,377	333.4	6,125	403.0	4,252	267.1	2,181	359.6	1,142	397.3	1,039	325.6
1965	461	12.3	343	10.9	135	8.8	208	12.9	118	19.3	44	15.2	74	23.0	12,763	340.0	10,633	338.2	6,314	411.5	4,319	268.3	2,130	348.9	1,127	390.1	1,003	311.8
1966	492	13.0	368	11.6	164	10.6	204	12.5	124	20.2	29	10.0	95	29.3	13,518	356.7	11,211	353.1	6,732	434.8	4,479	275.3	2,307	375.4	1,230	423.6	1,077	332.2
1967	498	13.0	378	11.8	156	10.0	222	13.5	120	19.4	37	12.7	83	25.4	13,173	344.3	11,069	345.2	6,672	427.0	4,397	267.4	2,104	340.1	1,142	391.3	962	294.4
1968	571	14.8	426	13.2	180	11.4	246	14.8	145	23.3	40	13.6	105	31.9	14,182	367.3	11,716	361.8	7,005	444.2	4,711	283.5	2,466	396.0	1,319	449.7	1,147	348.1
1969	607	15.6	433	13.2	175	11.0	258	15.4	174	27.8	53	18.0	121	36.5	14,345	368.1	11,954	365.5	7,026	441.6	4,928	293.5	2,391	381.5	1,227	416.3	1,164	350.6
1970	619	15.8	460	14.0	190	11.8	270	15.9	159	25.3	64	21.7	95	28.5	14,312	364.5	11,900	360.9	7,005	436.9	4,895	298.0	2,412	383.6	1,286	435.5	1,126	337.1
1971	675	16.8	498	14.8	205	12.5	293	16.9	177	27.8	69	23.1	108	31.9	14,528	362.3	11,984	355.3	6,938	423.1	5,046	291.1	2,544	399.5	1,351	452.4	1,193	352.8
1972	651	15.9	497	14.4	224	13.4	273	15.4	154	23.9	52	17.2	102	29.7	14,946	365.6	12,491	362.8	7,301	436.5	5,190	293.2	2,455	380.6	1,376	455.6	1,079	314.5
1973	571	14.8	454	13.0	196	11.6	258	14.4	156	24.1	53	17.5	103	29.9	15,011	362.7	12,482	357.5	7,276	428.9	5,205	289.9	2,527	390.9	1,298	429.3	1,229	357.1
1974	629	15.0	454	12.8	154	8.9	300	16.4	175	26.8	61	20.0	114	32.7	14,738	350.8	12,303	346.8	7,114	412.9	5,189	284.4	2,435	372.7	1,260	412.9	1,175	337.1
1975	612	14.4	446	12.4	200	11.4	246	13.3	166	25.3	53	17.3	113	32.2	14,303	335.7	11,976	332.3	6,967	398.2	5,009	270.1	2,324	353.6	1,191	388.5	1,133	323.1
1976	548	12.7	397	10.8	147	8.3	250	13.2	151	22.9	55	17.9	96	27.2	14,580	336.8	12,276	334.6	7,022	394.4	5,253	278.2	2,301	348.5	1,201	390.3	1,100	312.0
1977	565	12.8	432	11.6	160	8.8	272	14.1	133	20.0	48	15.5	85	23.9	14,497	329.3	12,098	323.7	6,943	382.9	5,155	267.8	2,399	362.2	1,236	399.7	1,163	327.6
1978	525	11.8	385	10.1	168	9.1	217	11.1	140	21.0	49	15.8	91	25.5	14,176	317.7	11,956	315.1	6,702	364.3	5,254	268.8	2,220	332.6	1,127	363.0	1,093	306.1
1979	552	12.2	406	10.5	169	9.0	237	11.9	146	21.7	47	15.0	99	27.4	14,115	311.4	11,831	306.5	6,734	360.0	5,097	256.2	2,254	338.9	1,213	387.5	1,071	296.8
1980	514	11.2	375	9.8	138	7.4	237	12.0	139	18.4	61	17.2	78	19.4	14,872	323.9	12,419	323.8	6,833	366.9	5,586	283.1	2,450	324.2	1,214	342.8	1,236	307.8
1981	609	13.1	454	11.7	174	9.2	280	14.0	155	20.6	52	14.8	103	25.7	14,894	321.3	12,547	323.1	6,915	366.7	5,632	282.0	2,345	311.5	1,234	350.2	1,111	277.4

YEAR	ISCHEMIC HEART DISEASE														CEREBROVASCULAR DISEASE													
	WHITE						ALL OTHER RACES								WHITE						ALL OTHER RACES							
	ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE		ALL RACES		TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1962	8,601	235.8	7,552	247.7	4,710	315.8	2,842	182.5	1,049	175.3	607	213.4	442	140.8	4,925	135.0	3,772	123.7	1,836	123.1	1,936	124.3	1,153	192.7	562	197.5	591	188.2
1963	9,138	248.1	8,015	260.2	5,093	338.2	2,922	185.6	1,123	186.4	633	221.4	490	154.8	5,008	136.0	3,801	123.4	1,820	120.9	1,981	125.8	1,207	200.3	582	203.5	625	197.5
1964	9,428	253.5	8,161	262.2	5,024	330.5	3,137	197.0	1,267	208.9	705	245.3	562	176.1	4,879	131.2	3,714	119.3	1,784	117.4	1,930	121.2	1,165	192.1	579	201.4	586	183.5
1965	9,812	261.4	8,446	268.7	5,259	342.8	3,187	198.0	1,366	223.7	761	263.4	605	188.1	4,934	131.4	3,773	120.0	1,797	117.1	1,976	122.8	1,161	190.2	550	190.4	611	190.0
1966	10,512	277.4	8,984	282.9	5,669	366.1	3,315	203.8	1,528	248.6	870	299.6	658	202.9	5,025	132.6	3,885	122.3	1,835	118.5	2,050	126.0	1,140	185.5	563	193.9	577	178.0
1967	10,458	273.4	9,035	281.7	5,688	364.0	3,347	203.6	1,423	230.0	827	283.4	596	182.4	5,020	131.2	3,822	119.2	1,849	118.3	1,973	120.0	1,198	193.6	563	192.9	635	194.3
1968	12,945	335.3	10,777	332.8	6,546	415.1	4,231	254.6	2,168	348.2	1,171	399.3	997	302.7	5,146	133.3	3,943	121.8	1,803	114.3	2,140	128.8	1,203	193.2	557	189.9	646	196.1
1969	13,035	334.5	10,920	333.9	6,534	410.7	4,386	261.2	2,115	337.5	1,092	370.5	1,023	308.2	5,096	130.8	3,961	121.1	1,846	116.0	2,115	126.0	1,135	181.1	556	188.6	579	174.4
1970	13,054	332.5	10,897	330.5	6,491	404.8	4,406	260.1	2,157	343.0	1,153	390.4	1,004	301.1	5,057	128.8	3,949	119.8	1,844	115.0	2,105	124.3	1,108	176.2	493	168.9	615	184.4
1971	13,294	331.5	11,004	326.2	6,467	394.4	4,537	261.7	2,290	359.6	1,221	408.9	1,069	316.1	4,997	124.6	3,963	117.5	1,809	110.3	2,154	124.3	1,034	162.4	514	172.0	520	158.8
1972	13,683	334.7	11,487	333.7	6,817	407.5	4,670	263.9	2,196	340.4	1,225	405.6	971	283.1	5,215	127.6	4,168	121.1	1,898	113.5	2,270	128.3	1,047	162.3	507	167.9	540	157.4
1973	13,789	333.2	11,553	330.9	6,815	401.7	4,737	263.8	2,234	345.6	1,142	377.7	1,092	317.3	5,339	129.0	4,267	122.2	1,835	108.2	2,432	135.5	1,071	165.7	510	168.7	561	163.0
1974	13,416	319.3	11,265	317.5	6,597	382.9	4,668	255.8	2,151	329.2	1,104	361.7	1,047	300.7	5,204	123.9	4,204	118.5	1,837	106.6	2,367	129.7	1,000	153.1	431	141.2	569	163.4
1975	12,928	303.4	10,905	302.6	6,426	367.3	4,479	241.6	2,020	307.3	1,045	340.9	975	278.0	4,902	115.0	3,929	109.0	1,687	96.4	2,242	120.9	973	148.0	464	151.3	509	145.5
1976	13,116	303.0	11,127	303.3	6,466	363.2	4,661	246.8	1,986	300.8	1,038	337.3	948	268.9	4,862	112.3	3,938	107.3	1,756	98.6	2,180	115.4	924	139.9	441	143.3	483	137.0
1977																												

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1962-1981§

YEAR	INFLUENZA														CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS													
	ALL RACES		WHITE						ALL OTHER RACES						ALL RACES		WHITE						ALL OTHER RACES					
			TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE				TOTAL		MALE		FEMALE							
			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate			No.	Rate	No.	Rate	No.	Rate	No.	Rate				
1962	183	5.0	117	3.8	57	3.8	60	3.9	66	11.0	24	8.4	42	13.4	477	13.1	413	13.5	300	20.1	113	7.3	64	10.7	40	14.1	24	7.6
1963	342	9.3	222	7.2	113	7.5	109	6.9	120	19.9	53	18.5	67	21.2	532	14.4	464	15.1	344	22.8	120	7.6	68	11.3	43	15.0	25	7.9
1964	52	1.4	35	1.1	17	1.1	18	1.1	17	2.8	7	2.4	10	3.1	501	13.5	432	13.9	327	21.5	105	6.6	69	11.4	52	18.1	17	5.3
1965	70	1.9	53	1.7	24	1.6	29	1.8	17	2.8	5	1.7	12	3.7	646	17.2	567	18.0	440	28.7	127	7.9	79	12.9	56	19.4	23	7.2
1966	78	2.1	58	1.8	23	1.5	35	2.2	20	3.3	7	2.4	13	4.0	625	16.5	551	17.4	433	28.0	118	7.3	74	12.0	51	17.6	23	7.1
1967	45	1.2	30	0.9	12	0.8	18	1.1	15	2.4	5	1.7	10	3.1	630	16.5	555	17.3	436	27.9	119	7.2	75	12.1	59	20.2	16	4.9
1968	185	4.8	150	4.6	72	4.6	78	4.7	35	5.6	20	6.8	15	4.6	647	16.8	587	18.1	455	28.9	132	7.9	60	9.6	45	15.3	15	4.6
1969	195	5.0	148	4.5	64	4.0	84	5.0	47	7.5	27	9.2	20	6.0	699	17.9	639	19.5	495	31.1	144	8.6	60	9.6	45	15.3	15	4.5
1970	174	4.4	152	4.6	77	4.8	75	4.4	22	3.5	12	4.1	10	3.0	718	18.3	654	19.8	519	32.4	135	8.0	64	10.2	49	16.6	15	4.5
1971	28	0.7	24	0.7	9	0.5	15	0.9	4	0.6	2	0.7	2	0.6	680	17.0	622	18.4	492	30.0	130	7.5	58	9.1	37	12.4	21	6.2
1972	122	3.0	109	3.2	53	3.2	56	3.2	13	2.0	7	2.3	6	1.7	836	20.5	739	21.5	567	33.9	172	9.7	97	15.0	75	24.8	22	6.4
1973	127	3.1	112	3.2	56	3.3	56	3.1	15	2.3	9	3.0	6	1.7	902	21.8	809	23.2	621	36.6	188	10.5	93	14.4	71	23.5	22	6.4
1974	79	1.9	71	2.0	38	2.2	33	1.8	8	1.2	6	2.0	2	0.6	941	22.4	850	24.0	672	39.0	178	9.8	91	13.9	59	19.3	32	9.2
1975	129	3.0	120	3.3	64	3.7	56	3.0	9	1.4	5	1.6	4	1.1	933	21.9	867	24.1	657	37.6	210	11.3	66	10.0	47	15.3	19	5.4
1976	156	3.6	139	3.8	61	3.4	78	4.1	17	2.6	7	2.3	10	2.8	997	23.0	898	24.5	673	37.8	225	11.9	99	15.0	77	25.0	22	6.2
1977	39	0.9	35	0.9	12	0.7	23	1.2	4	0.6	2	0.6	2	0.6	1,043	23.7	946	25.3	677	37.3	269	14.0	97	14.6	74	23.9	23	6.5
1978	66	1.5	60	1.6	22	1.2	38	1.9	6	0.9	2	0.6	4	1.1	1,148	25.7	1,055	27.8	778	42.3	277	14.2	93	13.9	69	22.2	24	6.7
1979	11	0.2	8	0.2	4	0.2	4	0.2	3	0.4	1	0.3	2	0.6	1,052	23.2	944	24.5	703	37.6	241	12.1	108	16.0	79	25.2	29	8.0
1980	37	0.8	33	0.9	15	0.8	18	0.9	4	0.5	2	0.6	2	0.5	1,237	26.9	1,121	29.2	805	43.2	316	16.0	116	15.4	78	22.0	38	9.5
1981	112	2.4	99	2.5	36	1.9	63	3.2	13	1.7	10	2.8	3	0.7	1,295	27.9	1,182	30.4	834	44.2	348	17.4	113	15.0	84	23.8	29	7.2

YEAR	CHRONIC LIVER DISEASE AND CIRRHOSIS														CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER													
	ALL RACES		WHITE						ALL OTHER RACES						ALL RACES		WHITE						ALL OTHER RACES					
			TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE				TOTAL		MALE		FEMALE							
			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate			No.	Rate	No.	Rate	No.	Rate	No.	Rate				
1962	206	5.6	161	5.3	110	7.4	51	3.3	45	7.5	20	7.0	25	8.0	92	2.5	77	2.5	32	2.1	45	2.9	15	2.5	6	2.1	9	2.9
1963	250	6.9	209	6.8	150	10.0	59	3.7	41	6.8	26	9.1	15	4.7	100	2.7	95	3.1	33	2.2	62	3.9	5	0.8	1	0.3	4	1.3
1964	254	6.8	210	6.7	135	8.9	75	4.7	44	7.3	26	9.0	18	5.6	81	2.2	72	2.3	31	2.0	41	2.6	9	1.5	3	1.0	6	1.9
1965	256	6.8	197	6.3	120	7.8	77	4.8	59	9.7	30	10.4	29	9.0	98	2.6	91	2.9	36	2.3	55	3.4	7	1.1	1	0.3	6	1.9
1966	248	6.5	211	6.6	126	8.1	85	5.2	37	6.0	21	7.2	16	4.9	95	2.5	89	2.8	35	2.3	54	3.3	6	1.0	4	1.4	2	0.6
1967	298	7.8	241	7.5	164	10.5	77	4.7	57	9.2	31	10.6	26	8.0	104	2.7	88	2.7	36	2.3	52	3.2	16	2.6	1	0.3	15	4.6
1968	297	7.7	246	7.6	168	10.7	78	4.7	51	8.2	26	8.9	25	7.6	102	2.6	88	2.7	42	2.7	46	2.8	14	2.2	3	1.0	11	3.3
1969	326	8.4	260	8.0	160	10.1	100	6.0	66	10.5	37	12.6	29	8.7	116	3.0	98	3.0	40	2.5	58	3.5	18	2.9	6	2.0	12	3.6
1970	393	10.0	320	9.7	225	14.0	95	5.6	73	11.6	42	14.2	31	9.3	121	3.1	107	3.2	38	2.4	69	4.1	14	2.2	4	1.4	10	3.0
1971	354	8.8	300	8.9	202	12.3	98	5.7	54	8.5	33	11.1	21	6.2	112	2.8	104	3.1	47	2.9	57	3.3	8	1.3	2	0.7	6	1.8
1972	353	8.6	286	8.3	204	12.2	82	4.6	67	10.4	39	12.9	28	8.2	110	2.7	99	2.9	40	2.4	59	3.3	11	1.7	3	1.0	8	2.3
1973	449	10.8	364	10.4	245	14.4	119	6.6	85	13.1	46	15.2	39	11.3	81	2.0	75	2.1	36	2.1	39	2.2	6	0.9	2	0.7	4	1.2
1974	444	10.6	369	10.4	241	14.0	128	7.0	75	11.5	43	14.1	32	9.2	88	2.1	79	2.2	29	1.7	50	2.7	9	1.4	1	0.3	8	2.3
1975	401	9.4	321	8.9	214	12.2	107	5.8	80	12.2	50	16.3	30	8.6	101	2.4	87	2.4	36	2.1	51	2.8	14	2.1	4	1.3	10	2.9
1976	387	8.9	345	9.4	235	13.2	110	5.8	42	6.4	23	7.5	19	5.4	82	1.9	75	2.0	34	1.9	41	2.2	7	1.1	2	0.6	5	1.4
1977	407	9.2	341	9.1	221	12.2	120	6.2	66	9.9	42	13.6	24	6.8	71	1.6	61	1.6	30	1.7	31	1.6	10	1.5	3	1.0	7	2.0
1978	398	8.9	335	8.8	240	13.0	95	4.9	63	9.4	38	12.2	25	7.0	84	1.9	76	2.0	41	2.2	35	1.8	8	1.2	2	0.6	6	1.7
1979	431	9.5	342	8.9	210	11.2	132	6.6	89	13.2	47	15.0	42	11.6	76	1.7	68	1.8	21	1.1	47	2.4	8	1.2	6	1.9	2	0.6
1980	451	9.8	377	9.8	266	14.3	111	5.6	74	9.8	46	13.0	28	7.0	82	1.8	74	1.9	30	1.6	44	2.2	8	1.1	4	1.1	4	1.0
1981	404	8.7	339	8.7	221	11.7	118	5.9	65	8.6	37	10.5	28	7.0	83	1.8	74	1.9	33	1.8	41	2.1	9	1.2	2	0.6	7	1.7

YEAR	NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS														COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM*													
	ALL RACES		WHITE						ALL OTHER RACES						ALL RACES		WHITE						ALL OTHER RACES					
			TOTAL		MALE		FEMALE		TOTAL		MALE		FEMALE				TOTAL		MALE		FEMALE							
			No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate			No.	Rate	No.	Rate	No.	Rate	No.	Rate				
1962	302	8.3	197	6.5	122	8.2	75	4.8	106	17.5	51	17.9	54	17.2	42	5.2	23	3.7	17	2.7	19	10.6						
1963	325	8.8	219	7.1	137	9.1	82	5.2	106	17.6	60	21.0	46	14.5	38	4.8	17	2.7	17	2.7	21	12.0						
1964	305	8.2	209	6.7	103	6.8	106	6.7	96	15.8	51	17.7	45	14.1	32	4.0	17	2.2	18	2.2	18	10.2						
1965	281	7.5	198	6.3	113	7.4	85	5.3	83	13.6	47	16.3	36	11.2	24	3.3	9	1.6	15	1.6	15	8.6						
1966	247	6.5	167	5.3	106	6.8	61	3.7	80	13.0	47	16.2	33	10.2	24	3.5	11	2.0	13	2.0	13	8.6						
1967	230	6.0	155	4.8	88	5.6	67	4.1	75	12.1	39	13.4	36	11.0	27	4.0	17	3.2	10	3.2	10	6.8						
1968	220	5.7	146	4.5	90	5.7	56	3.4	74	11.9	33	11.3	41	12.4	29	4.3	12	2.3	17	2.3	17	11.9						
1969	208	5.3	134	4.1	79	5.0	55	3.3	74	11.8	33	11.2	41	12.4	24	3.4	11	2.0	13	2.0	13	8.8						

TABLE III (Continued)—DEATHS FROM SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX, RESIDENT DATA, TENNESSEE, 1962-1981 §

YEAR	CONGENITAL ANOMALIES												CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD																							
	ALL RACES		WHITE				ALL OTHER RACES						ALL RACES		WHITE				ALL OTHER RACES						ALL RACES		WHITE				ALL OTHER RACES					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
1962	405	11.1	330	10.8	179	12.0	151	9.7	75	12.5	44	15.5	31	9.9	1,269	34.8	889	29.2	530	35.5	359	23.1	380	63.5	227	79.8	152	48.4								
1963	422	11.5	335	10.9	187	12.4	147	9.3	87	14.4	54	18.9	33	10.4	1,192	32.4	812	26.4	482	32.0	330	21.0	380	63.1	211	73.8	168	53.1								
1964	447	12.0	345	11.1	188	12.4	155	9.7	102	16.8	54	18.8	48	15.0	1,209	32.5	840	27.0	527	34.7	313	19.7	369	60.8	209	72.7	160	50.1								
1965	387	10.3	297	9.4	172	11.2	125	7.8	90	14.7	53	18.3	37	11.5	1,094	29.1	746	23.7	451	29.4	293	18.2	348	57.0	201	69.6	147	45.7								
1966	391	10.3	301	9.5	161	10.4	139	8.5	90	14.6	50	17.2	40	12.3	965	25.5	658	20.7	402	26.0	255	15.7	307	50.0	199	68.5	108	33.3								
1967	372	9.7	294	9.2	154	9.9	139	8.5	78	12.6	39	13.4	39	11.9	913	23.9	615	19.2	343	21.9	271	16.5	298	48.2	171	58.6	127	38.9								
1968	376	9.7	308	9.5	167	10.6	141	8.5	68	10.9	40	13.6	28	8.5	859	22.2	608	18.8	362	23.0	245	14.7	251	40.3	142	48.4	109	33.1								
1969	339	8.7	278	8.5	157	9.9	120	7.1	61	9.7	30	10.2	31	9.3	881	22.6	585	17.9	342	21.5	243	14.5	296	47.2	158	53.6	138	41.6								
1970	381	9.7	307	9.3	155	9.7	152	9.0	74	11.8	35	11.9	39	11.7	889	22.6	627	19.0	387	24.1	239	14.1	262	41.7	124	42.0	138	41.4								
1971	339	8.5	284	8.4	171	10.4	113	6.5	55	8.6	24	8.0	31	9.2	847	21.1	604	17.9	340	20.7	262	15.1	243	38.2	143	47.9	100	29.6								
1972	384	9.4	304	8.8	172	10.3	132	7.5	80	12.4	43	14.2	36	10.5	754	18.4	499	14.5	287	17.2	212	12.0	255	39.5	151	50.0	104	30.3								
1973	325	7.9	266	7.6	134	7.9	131	7.3	59	9.1	32	10.6	27	7.8	726	17.5	499	14.3	291	17.2	208	11.6	226	35.0	137	45.3	89	25.9								
1974	304	7.2	242	6.8	133	7.7	109	6.0	62	9.5	32	10.5	30	8.6	619	14.7	412	11.6	225	13.1	187	10.2	207	31.7	122	40.0	84	24.1								
1975	298	7.0	244	6.8	123	7.0	121	6.5	54	8.2	32	10.4	22	6.3	526	12.3	337	9.4	184	10.5	153	8.3	189	28.8	106	34.6	83	23.7								
1976	228	5.3	182	5.0	102	5.7	80	4.2	46	7.0	25	8.1	21	6.0	522	12.1	349	9.5	209	11.7	140	7.4	173	26.2	90	29.2	83	23.5								
1977	281	6.4	222	5.9	123	6.8	99	5.1	59	8.9	40	12.9	19	5.4	481	10.9	318	8.5	194	10.7	124	6.4	163	24.5	93	30.1	70	19.7								
1978	278	6.2	219	5.8	126	6.8	92	4.7	59	8.8	27	8.7	32	9.0	460	10.3	304	8.0	172	9.4	132	6.8	156	23.4	84	27.1	72	20.2								
1979	280	6.2	231	6.0	129	6.9	102	5.1	49	7.3	29	9.3	20	5.5	464	10.2	274	7.1	157	8.4	117	5.9	190	28.2	106	33.9	84	23.3								
1980	317	6.9	254	6.6	134	7.2	119	6.0	63	8.3	32	9.0	31	7.7	454	9.9	294	7.7	164	8.8	130	6.6	160	21.2	96	27.1	64	15.9								
1981	262	5.7	213	5.5	109	5.8	104	5.2	49	6.5	24	6.8	25	6.2	445	9.6	243	6.3	145	7.7	98	4.9	202	26.8	116	32.9	86	21.5								

YEAR	ACCIDENTS AND ADVERSE EFFECTS												MOTOR VEHICLE ACCIDENTS																						
	ALL RACES		WHITE				ALL OTHER RACES				ALL RACES		WHITE				ALL OTHER RACES				ALL RACES		WHITE				ALL OTHER RACES								
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
1962	1,967	53.9	1,588	52.1	1,086	72.8	502	32.2	379	63.3	236	83.0	143	45.5	901	24.7	6.2	780	25.6	569	38.1	211	13.5	121	20.2	93	32.7	28	8.9						
1963	2,100	57.0	1,724	56.0	1,213	80.6	511	32.4	376	62.4	264	92.3	112	35.4	977	26.5	6.5	844	27.4	619	41.1	225	14.3	133	22.1	102	35.7	31	9.8						
1964	2,162	58.1	1,764	56.7	1,240	81.6	524	32.9	398	65.6	281	97.8	117	36.7	1,061	28.5	6.7	911	29.3	651	42.8	260	16.3	150	24.7	110	38.3	40	12.5						
1965	2,247	59.9	1,884	59.9	1,308	85.3	576	35.8	363	59.5	264	91.4	99	30.8	1,143	30.4	6.8	1,007	32.0	737	48.0	270	16.8	136	22.3	108	37.4	28	8.7						
1966	2,468	65.1	2,039	64.2	1,445	93.3	594	36.5	429	69.8	273	94.0	156	48.1	1,250	33.0	7.0	1,082	34.1	791	51.1	291	17.9	168	27.3	117	40.3	51	15.7						
1967	2,466	64.5	2,053	64.0	1,499	95.9	554	33.7	413	66.8	314	107.6	99	30.3	1,286	33.6	6.8	1,107	34.5	818	52.3	289	17.6	179	28.9	136	46.6	43	13.2						
1968	2,502	64.8	2,010	62.1	1,429	90.6	581	35.0	492	79.0	356	121.4	136	41.3	1,252	32.4	6.6	1,066	32.9	794	50.4	272	16.4	186	29.9	143	48.8	40	13.1						
1969	2,531	64.9	2,055	62.8	1,448	91.0	607	36.2	476	76.0	331	112.3	145	43.7	1,358	34.8	7.0	1,119	34.2	816	51.3	303	18.0	239	38.1	175	59.4	64	19.3						
1970	2,582	65.8	2,115	64.1	1,557	97.1	558	32.9	466	74.1	320	108.4	146	43.8	1,406	35.8	6.8	1,218	36.9	907	56.6	311	18.4	187	29.7	136	46.1	51	15.3						
1971	2,467	61.5	2,068	61.3	1,475	90.0	593	34.2	399	62.7	270	90.4	129	38.1	1,337	33.3	6.1	1,177	34.9	873	53.2	304	17.5	160	25.1	113	37.8	47	13.9						
1972	2,602	63.7	2,153	62.5	1,546	92.4	607	34.3	449	69.6	323	106.9	126	36.7	1,401	34.3	6.0	1,204	35.0	893	53.4	311	17.6	197	30.5	145	48.0	52	15.2						
1973	2,698	65.2	2,268	65.0	1,629	96.0	639	35.6	429	66.4	296	97.9	133	38.6	1,444	34.8	5.5	1,246	35.7	930	54.8	316	17.6	196	30.3	141	46.6	55	16.0						
1974	2,510	59.7	2,131	60.1	1,519	88.2	612	33.5	379	58.0	250	81.9	129	37.1	1,268	30.7	5.3	1,133	31.9	864	50.1	269	14.7	157	24.0	107	35.1	50	14.4						
1975	2,310	54.2	1,936	53.7	1,369	78.3	567	30.6	374	56.9	287	93.6	87	24.8	1,142	28.8	4.1	971	26.9	707	40.4	264	14.2	171	26.0	136	44.4	35	10.0						
1976	2,262	52.3	1,956	53.3	1,406	79.0	550	29.1	306	46.3	226	73.4	90	22.7	1,160	26.8	4.1	1,016	27.7	737	41.4	279	14.8	144	21.8	110	35.7	34	9.6						
1977	2,440	55.4	2,070	55.4	1,493	82.3	577	30.0	370	55.7	264	85.4	106	29.9	1,245	28.3	4.1	1,082	28.9	814	44.9	268	13.9	163	24.5	130	42.0	33	9.3						
1978	2,460	55.1	2,092	55.1	1,526	83.0	566	29.0	368	55.1	268	86.3	100	28.0	1,294	29.0	4.4	1,121	29.5	839	45.6	282	14.4	173	25.9	129	41.6	44	12.3						
1979	2,350	51.8	2,007	52.0	1,436	76.8	571	28.7	343	50.9	249	79.5	94	26.1	1,268	28.0	N/A	1,104	28.6	811	43.4	293	14.7	164	24.3	124	39.6	40	11.1						
1980	2,453	53.4	1,996	52.0	1,416	76.0	580	29.4	352	60.2	248	81.8	100	28.0	1,178	25.7	3.4	1,045	27.3	756	40.6	290	14.7	132	17.5	112	31.6	20	5.0						
1981	2,205	47.6	1,905	49.1	1,366	72.4	539	27.0	300	39.8	212	60.2	88	22.0	1,132	24.4	3.3	1,008	26.0	736	39.0	272	13.6	124	16.5	94	26.7	30	7.5						

YEAR	SUICIDE												HOMICIDE AND LEGAL INTERVENTION																			
	ALL RACES		WHITE				ALL OTHER RACES				ALL RACES		WHITE				ALL OTHER RACES				ALL RACES		WHITE				ALL OTHER RACES					
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	

TABLE IV—DEATHS ACCORDING TO CAUSE (9th Rev. ICD), BY RACE, SEX, AND AGE,
RESIDENT DATA, TENNESSEE, 1981

CAUSE OF DEATH			AGE AT DEATH																	
			All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
ALL CAUSES	All Races		40,480	846	57	37	33	23	96	129	393	502	524	538	1,337	2,853	6,214	9,974	10,347	6,565
	White	M	18,523	303	20	14	10	14	47	65	236	312	301	275	695	1,518	3,268	5,113	4,367	1,960
		F	15,010	219	21	8	18	4	25	43	96	91	113	114	336	719	1,785	3,155	4,449	3,814
	All Other Races	M	3,794	179	9	6	4	4	12	8	45	71	76	112	186	387	677	963	751	301
		F	3,147	145	7	8	1	1	12	13	15	28	34	37	119	229	484	742	780	490
Certain other intestinal infections (007-009)	All Races		6	2				1									1		2	
	White	M	2					1											1	
		F	2																	
	All Other Races	M	1	1													1			
		F	1																	
Tuberculosis of respiratory system (010-012)	All Races		52											1		3	7	13	15	13
	White	M	27													1	4	11	7	4
		F	15													1	1	2	3	8
	All Other Races	M	2											1					1	
		F	8													1	2		4	1
Tuberculosis, other forms (013-018)	All Races		5											1		1	2	1		
	White	M	1														1			
		F																		
	All Other Races	M	2											1		1				
		F	2														1	1		
Meningococcal infection (036)	All Races		11	5										1	1	1	2			1
	White	M	3	2													1			
		F	5	1																
	All Other Races	M	3	2										1			2			1
		F																		
Septicemia (038)	All Races		141	7	2			1		2		4	1	1	3	13	17	30	34	26
	White	M	36	2						1			1		1	3	4	11	8	5
		F	58	3	1			1		1		3				4	2	9	19	15
	All Other Races	M	28		1									1	2	3	7	5	4	5
		F	19	2								1				3	4	5	3	1
Viral encephalitis (049.8-049.9, 062-064)	All Races		3	1	1								1							
	White	M																		
		F	3	1	1								1							
	All Other Races	M																		
		F																		
Viral hepatitis (070)	All Races		24									2	1	1	1	3	7	5	3	1
	White	M	11										1			1	2	2	3	
		F	10									1		1			4	3		
	All Other Races	M																		
		F	3									1				1	1			
Rocky Mountain spotted fever (082.0)	All Races		1							1										
	White	M	1							1										
		F																		
	All Other Races	M																		
		F																		
Syphilis (090-097)	All Races		2															1	1	
	White	M																		
		F	1																1	
	All Other Races	M	1																	
		F																		
All other infectious and parasitic diseases (001-003, 005, 020-032, 037, 039-041, 046-048, 049.0-049.1, 050-054, 056-061, 065-066, 071-081, 082.1-082.3, 082.8-082.9, 083-088, 098-139)	All Races		81	4	1				1	2	2	5		1	6	4	14	20	11	10
	White	M	32		1					1	1	2		1	4	3	7	7	4	2
		F	38	4						1	1	2				1	5	12	4	8
	All Other Races	M	7							1	1	1			1		1	1	2	
		F	4							1					1		1		1	
Malignant neoplasms (140-208)	All Races		8,355	1	6	3	4	11	18	18	21	43	58	270	870	1,996	2,601	1,821	613	
	White	M	3,903		2	2	2	5	9	8	12	15	23	96	381	972	1,317	832	226	
		F	3,027		4	1		5	6	4	7	16	24	117	322	680	841	680	310	
	All Other Races	M	856				1	1	3	1	7	6	22	101	183	296	186	48		
		F	569				1	1	2	3	1	5	5	35	66	151	147	123	29	
Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unsp. nature (210-239)	All Races		122	3	1		1		2		2		1		3	12	23	30	28	16
	White	M	51	3	1				2		2				1	5	10	12	10	5
		F	51				1								2	6	9	11	15	7
	All Other Races	M	9										1			1	3	2	1	
		F	11													3	4	1	3	
Diabetes mellitus (250)	All Races		609						1	3	3	3	4	17	45	95	189	176	73	
	White	M	174							1	1	1		2	6	23	29	53	42	17
		F	280									2		1	9	10	39	85	87	44
	All Other Races	M	52						1			2		1	1	6	9	19	13	2
		F	103							2					1	6	18	32	34	10
Nutritional deficiencies (260-269)	All Races		48													2	1	16	13	16
	White	M	13															5	4	4
		F	27													1		10	8	8
	All Other Races	M	3														1	1	1	
		F	5													1				4
Anemias (280-285)	All Races		61		2					4	1		2	3	3	6	14	9	17	
	White	M	22							1				1	2	2	8	4	4	
		F	22														3	4	13	
	All Other Races	M	11		2					2	1		1	1	2	2	2	2	1	
		F	6							1						1	1	1		
Meningitis (320-322)	All Races		30	7	3	1								1	2	3	3	6	4	
	White	M	8	3	1											2		1	1	
		F	11	2	2	1								1	1		1	2	1	
	All Other Races	M	6	2												1	1	1	1	
		F	5													1	2	1		
Rheumatic fever and rheumatic heart disease (390-398)	All Races		94							1				2	7	11	26	26	19	2
	White	M	30							1				1	2	6	8	5	7	
		F	53											1	3	3	15	18	11	2
	All Other Races	M	5												2	1	1	1		
		F	6													1	2	2	1	

Totals may include one or more deaths with age, race, and/or sex not stated.

TABLE IV (Continued)—DEATHS ACCORDING TO CAUSE (9th Rev. ICD), BY RACE, SEX, AND AGE,
RESIDENT DATA, TENNESSEE, 1981

CAUSE OF DEATH			AGE AT DEATH																	
			All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Hypertensive heart disease (402)	All Races	M	491											5	22	45	74	124	132	89
	White	M	119												5	12	15	41	26	20
		F	159											1	2	2	15	27	65	47
	All Other Races	M	102											3	8	18	20	30	16	7
Hypertensive heart and renal disease (404)	All Races	M	60											1			6	20	22	11
	White	M	15														1	6	8	
		F	27														2	8	9	8
	All Other Races	M	9											1			2	2	3	1
Ischemic heart disease (410-414)	All Races	M	11,139								1	2	9	20	217	726	1,758	3,085	3,283	2,036
	White	M	5,602									2	4	13	145	508	1,094	1,777	1,461	598
		F	4,176										1	1	30	108	403	929	1,466	1,238
	All Other Races	M	738								1	2	5	32	77	166	204	175	75	
All other forms of heart disease (415-429)	All Races	M	3,110	18	2			2		2	4	9	9	28	60	160	393	756	902	764
	White	M	1,149	6				2			2	4	4	17	29	79	178	307	322	199
		F	1,217	5							1	5	3	5	21	36	99	229	380	433
	All Other Races	M	380	4	1									5	6	26	70	120	97	51
Hypertension, with or without renal disease (401, 403)	All Races	M	156											1	3	6	16	38	54	38
	White	M	46											1			6	11	18	10
		F	60														3	2	13	21
	All Other Races	M	26													2	5	6	9	4
Cerebrovascular disease (430-438)	All Races	M	4,088	1	1					1	4	6	11	17	59	140	361	870	1,474	1,143
	White	M	1,373	1							3	2	5	15	40	154	351	510	289	
		F	1,947		1						1	3	5	22	47	100	307	739	722	
	All Other Races	M	322							1	4	4	11	27	51	90	95	38	95	
Atherosclerosis (440)	All Races	M	620												1	7	26	78	211	297
	White	M	215													2	15	36	79	82
		F	307													2	6	25	95	179
	All Other Races	M	38													1	5	10	14	7
Other diseases of arteries, arterioles and capillaries (441-448)	All Races	M	343									1	4	7	16	62	113	92	48	
	White	M	205										2	1	8	41	79	51	23	
		F	100											3	5	12	26	34	20	
	All Other Races	M	16											1	1	7	2	2	3	
Acute bronchitis and bronchiolitis (466)	All Races	M	13													2	1	3	4	2
	White	M	4														1	1	2	
		F	6													2	1	1	1	2
	All Other Races	M	3															1	1	
Pneumonia (480-486)	All Races	M	1,062	13	2		1		4	4	4	3	5	8	16	24	87	178	352	361
	White	M	447	3					2	1	2		3	1	7	7	42	91	162	126
		F	474	3	2		1		1	3	2	1	1	3	2	7	24	62	159	203
	All Other Races	M	82	6										3	4	7	16	17	17	12
Influenza (487)	All Races	M	112								1		1		1	2	12	12	40	43
	White	M	36										1				5	7	11	12
		F	63													1	5	4	24	29
	All Other Races	M	10								1				1		2	1	4	1
Bronchitis, chronic and unspecified (490-491)	All Races	M	82									1				2	15	28	19	17
	White	M	53									1				1	10	20	13	8
		F	25													1	2	7	6	9
	All Other Races	M	2														1	1		
Emphysema (492)	All Races	M	274												1	17	51	115	68	22
	White	M	203												1	10	41	87	51	13
		F	58													6	9	23	11	9
	All Other Races	M	11													1	1	4	5	
Asthma (493)	All Races	M	66			1						1	2		4	10	18	16	12	2
	White	M	23									1				3	9	5	4	1
		F	25										1			3	4	6	7	4
	All Other Races	M	9			1						1				2	3	2		
Other chronic obstructive pulmonary disease and allied conditions (494-496)	All Races	M	873											1	6	36	175	298	272	85
	White	M	555											1	2	21	96	201	189	45
		F	240												3	11	60	74	57	35
	All Other Races	M	62													2	12	21	23	4
Ulcer of stomach and duodenum (531-533)	All Races	M	126									1	1	1	2	12	18	41	30	20
	White	M	68										1	1		6	13	22	15	10
		F	38													3	10	13	9	
	All Other Races	M	14												2	3	2	6	1	1
Appendicitis (540-543)	All Races	M	14											1	1		2	7	1	2
	White	M	8												1		2	5	1	
		F	4															1	1	2
	All Other Races	M	2											1				1		
Hernia and intestinal obstruction (550-553, 560)	All Races	M	84	1											1	3	3	15	37	24
	White	M	25												1	3		5	14	2
		F	41														2	7	16	16
	All Other Races	M	11	1												1	3	3	3	3
		F	7															4		

Totals may include one or more deaths with age, race, and/or sex not stated.

TABLE IV (Continued)—DEATHS ACCORDING TO CAUSE (9th Rev. ICD), BY RACE, SEX, AND AGE,
RESIDENT DATA, TENNESSEE, 1981

CAUSE OF DEATH		AGE AT DEATH																	
		All Deaths	Under 1 year	1 year	2 years	3 years	4 years	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-44 years	45-54 years	55-64 years	65-74 years	75-84 years	85 years and over
Chronic liver disease and cirrhosis (571)	All Races	404	1	1							1	7	6	44	82	112	111	30	9
	White	221										3	1	23	47	64	62	15	6
	M	118	1	1							1	2	9	22	30	35	13	3	
	F	37									1	1	8	6	12	8	1		
Cholelithiasis and other disorders of gallbladder (574-575)	All Races	83								1				1	3	11	17	30	20
	White	33												1	2	5	8	11	6
	M	41								1					1	4	7	17	11
	F	2														1	1	2	3
Acute glomerulonephritis and nephrotic syndrome (580-581)	All Races	7															2	2	3
	White	2																1	1
	M	3															1		2
	F	2															1	1	
Chronic glomerulonephritis and unspecified nephritis, nephropathy and renal sclerosis (582-583, 587)	All Races	77	1								2	2			3	12	20	26	11
	White	22									1	1			2	1	5	8	4
	M	30	1								1	1			3	8	12	5	
	F	8												1	4	4	9	5	
Renal failure, disorders resulting from impaired renal function and small kidney of unknown cause (584-586, 588-589)	All Races	290	4									1	3	5	11	28	67	100	71
	White	121	2									1			5	17	26	38	32
	M	105	1												6	23	40	32	
	F	30	1									2	1	4	3	5	9	5	
Infections of kidney (590)	All Races	54														5	12	21	16
	White	14															2	6	5
	M	35														4	9	11	11
	F	2															1	1	
Hyperplasia of prostate (600)	All Races	15															3	7	5
	White	13															3	6	4
	M	2															1	1	1
	F																		
Complications of pregnancy, childbirth and the puerperium (630-676)	All Races	10								1	5	1	2	1					
	White	9									5	1	2	1					
	M	1								1									
	F																		
Congenital anomalies (740-759)	All Races	262	169	19	3	1	4	8	9	2	5	5	8	6	1	7	8	4	3
	White	109	68	6	2		2	4	3	2	1	2	4	2	1	4	4	1	3
	M	104	70	6		1	1	3	5		2	2	3	4		2	4	3	
	F	24	16	3			1				4								
Birth trauma, intrauterine hypoxia, birth asphyxia and respiratory distress syndrome (767-769)	All Races	138	136				1												
	White	56	54				1												
	M	28	28				1												
	F	30	30																
Other conditions originating in the perinatal period (760-766, 779-779)	All Races	307	302				1		1	1								1	1
	White	89	87						1										
	M	70	68							1								1	1
	F	86	85				1												
Symptoms, signs and ill-defined conditions (780-799)	All Races	713	121	1						1	4	5	8	15	50	102	147	150	107
	White	351	54								2	3	5	9	31	60	86	71	30
	M	221	18								2	2	2	3	10	27	44	52	61
	F	70	22										1	6	12	12	12	5	
All other diseases (240-246, 251-259, 270-279, 286-319, 323-389, 451-465, 470-478, 494-530, 534-537, 555-558, 562-570, 572-573, 576-579, 591-599, 601-629, 680-739)	All Races	2,390	30	5	8	3	2	15	18	25	23	29	47	117	175	340	546	621	385
	White	988	11		6	2	2	5	7	12	11	8	16	55	91	147	255	245	115
	M	934	7	3		1		6	7	8	1	10	12	24	29	119	199	290	218
	F	250	5	2	1			1	2	1	6	8	10	24	39	46	51	36	17
Motor vehicle accidents (E810-E825)	All Races	1,132	2	4	5	7	5	32	32	188	186	136	107	131	97	72	72	43	13
	White	736	1	1	1	1	3	16	23	119	139	98	70	84	60	43	46	26	5
	M	272	1	2	1	4	2	4	8	59	29	28	22	29	21	22	19	15	6
	F	94		2	1			8	1	10	12	8	12	15	14	5	5		
All other accidents and adverse effects (E800-E807, E826-E949)	All Races	1,073	13	12	9	15	2	21	28	63	68	70	64	106	101	105	132	139	121
	White	630	5	8	2	5	1	12	17	45	47	55	47	84	59	66	77	57	39
	M	267	4	2	2	6		6	13	8	9	8	9	8	24	18	33	57	65
	F	118	3	1	2	2	1	3	2	10	5	7	8	11	12	16	17	9	9
Suicide (E950-E959)	All Races	577							5	29	62	80	50	101	70	97	54	24	5
	White	403							21	48	52	30	73	48	69	39	20	3	
	M	126							4	5	9	17	10	22	20	11	2		
	F	37							3	5	9	9	2	1	2	2	2	2	
Homicide and legal intervention (E960-E978)	All Races	510	3	2		1		2	4	32	80	90	78	81	68	36	26	5	1
	White	223		2				1	1	12	32	41	29	32	39	22	11	1	
	M	60	1			1		1	2	6	7	12	8	11	3	3	3	1	1
	F	181	1					1	13	34	27	35	29	22	9	9	1		
All other external causes (E980-E999)	All Races	80	1			1			1	6	7	9	5	15	13	9	8	3	2
	White	52	1						1	4	5	5	4	11	6	7	5	2	1
	M	17							2	1	3	1	3	3	1	1	3		
	F	4				1				1	1			1	1			1	1

Totals may include one or more deaths with age, race, and/or sex not stated.

TABLE V—DEATHS ACCORDING TO 211 SELECTED CAUSES (9th Rev. ICD), WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1981

CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES		CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES	
	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate
ALL CAUSES*	40,480	8.7	33,533	8.6	6,941	9.2	Malignant neoplasm of prostate (185)	496	10.7	358	9.2	138	18.3
Typhoid and paratyphoid fevers (002)							Malignant neoplasm of other male genital organs (186-187)	13	0.3	10	0.3	3	0.4
Shigellosis (004)							Malignant neoplasm of bladder (188)	184	4.0	163	4.2	21	2.8
Other salmonella infections and other food poisoning (bacterial) (003,005)	2	x	2	0.1			Malignant neoplasm of kidney and other and unspecified urinary organs (189)	154	3.3	122	3.1	32	4.3
Amebiasis (006)							Malignant neoplasm of brain (191)	218	4.7	201	5.2	17	2.3
Certain other intestinal infections (007-009)	6	0.1	4	0.1	2	0.3	Malignant neoplasm of all other and unspecified sites (190,192-195,199)	596	12.9	470	12.1	126	16.7
Tuberculosis of respiratory system (010-012)	52	1.1	42	1.1	10	1.3	Lymphosarcoma and reticulosarcoma (200)	77	1.7	72	1.9	5	0.7
Other tuberculosis, excluding late effects (013-018)	5	0.1	1	x	4	0.5	Hodgkin's disease (201)	45	1.0	43	1.1	2	0.3
Brucellosis (023)							Other malignant neoplasm of lymphoid and histiocytic tissue (202)	160	3.5	147	3.8	13	1.7
Diphtheria (032)							Multiple myeloma and immunoproliferative neoplasms (203)	157	3.4	123	3.2	34	4.5
Whooping cough (033)							Lymphoid leukemia (204)	96	2.1	86	2.2	10	1.3
Streptococcal sore throat and scarlatina (034)							Myeloid leukemia (205)	146	3.1	126	3.2	20	2.7
Erysipelas (035)							Other and unspecified leukemia (206-208)	79	1.7	66	1.7	13	1.7
Meningococcal infection (036)	11	0.2	8	0.2	3	0.4	Benign neoplasms (210-229)	42	0.9	35	0.9	7	0.9
Tetanus (037)	1	x	1	x			Carcinoma in situ (230-234)						
Septicemia (038)	141	3.0	94	2.4	47	6.2	Neoplasms of uncertain behavior and unspecified nature (235-239)	80	1.7	67	1.7	13	1.7
All other bacterial diseases (001,020-022,024-027,030,031,039-041)	10	0.2	10	0.3			Disorders of thyroid gland (240-246)	16	0.3	13	0.3	3	0.4
Acute poliomyelitis (045)							Diabetes mellitus (250)	609	13.1	454	11.7	155	20.6
Viral encephalitis (049.8-049.9,062-064)	3	0.1	3	0.1			Diseases of other endocrine glands (251-259)	18	0.4	15	0.4	3	0.4
Measles (055)							Nutritional deficiencies (260-269)	48	1.0	40	1.0	8	1.1
Rubella (056)							Other metabolic disorders and immunity disorders (270-279)	134	2.9	103	2.7	31	4.1
Viral hepatitis (070)	24	0.5	21	0.5	3	0.4	Anemias (280-285)	61	1.3	44	1.1	17	2.3
All other viral diseases (046-049.1,050-054,057,060,061,065,066,071-079)	21	0.5	19	0.5	2	0.3	All other diseases of blood and blood-forming organs (286-289)	55	1.2	40	1.0	15	2.0
Rocky Mountain spotted fever (082.0)	1	x	1	x			Psychoses (290-299)	58	1.3	51	1.3	7	0.9
Other rickettsialoses (080,081,082.1-083)							Alcohol dependence syndrome (303)	100	2.2	54	1.4	46	6.1
Malaria (084)							Drug dependence (304)	3	0.1	2	0.1	1	0.1
Cardiovascular syphilis (093)							Other neurotic, personality, and nonpsychotic mental disorders (300-302,305-316)	110	2.4	97	2.5	13	1.7
Neurosyphilis (094)	2	x	1	x	1	0.1	Mental retardation (317-319)	10	0.2	8	0.2	2	0.3
All other syphilis (090-092,095-097)							Meningitis (320-322)	30	0.6	19	0.5	11	1.5
Gonococcal infections (098)							Parkinson's disease (332)	49	1.1	46	1.2	3	0.4
Candidiasis (112)	10	0.2	7	0.2	3	0.4	Other hereditary and degenerative diseases of the central nervous system (330-331,333-337)	134	2.9	123	3.2	11	1.5
Histoplasmosis (115)	6	0.1	4	0.1	2	0.3	Multiple sclerosis (340)	23	0.5	22	0.6	1	0.1
All other mycoses (110,111,114,116-118)	10	0.2	7	0.2	3	0.4	Infantile cerebral palsy (343)	16	0.3	11	0.3	5	0.7
Helminthiasis (120-129)	1	x	1	x			Epilepsy (345)	38	0.8	25	0.6	13	1.7
All other infectious and parasitic diseases and late effects of other infectious and parasitic diseases (065-088,099-104,130-139)	10	0.2	9	0.2	1	0.1	All other diseases of central nervous system (323-326,341-342,344,346-359)	118	2.5	95	2.4	23	3.1
Malignant neoplasm of lip, oral cavity, and pharynx (140-149)	191	4.1	156	4.0	35	4.6	Disorders of the eye and adnexa (360-379)	1	x	1	x		
Malignant neoplasm of esophagus (150)	130	2.8	80	2.1	50	6.6	Diseases of the ear and mastoid process (380-389)	1	x	1	x		
Malignant neoplasm of stomach (151)	224	4.8	163	4.2	61	8.1	Acute rheumatic fever (390-392)	1	x	1	x		
Malignant neoplasm of small intestine, including duodenum (152)	19	0.4	14	0.4	5	0.7	Diseases of mitral valve (394)	38	0.8	36	0.9	2	0.3
Malignant neoplasm of colon (153)	832	17.9	685	17.6	147	19.5	Diseases of aortic valve (395)	3	0.1	3	0.1		
Malignant neoplasm of rectum, rectosigmoid junction and anus (154)	146	3.1	126	3.2	20	2.7	Diseases of mitral and aortic valves (396)	11	0.2	8	0.2	3	0.4
Malignant neoplasm of liver and intrahepatic bile ducts (155)	131	2.8	105	2.7	26	3.5	All other chronic rheumatic heart disease (393,397-398)	41	0.9	35	0.9	6	0.8
Malignant neoplasm of gallbladder and extrahepatic bile ducts (156)	66	1.4	62	1.6	4	0.5	Essential hypertension (401)	50	1.1	32	0.8	18	2.4
Malignant neoplasm of pancreas (157)	423	9.1	345	8.9	78	10.4	Hypertensive heart disease (402)	491	10.6	278	7.2	213	28.3
Malignant neoplasm of retroperitoneum, peritoneum, and other and ill-defined sites within the digestive organs and peritoneum (158-159)	37	0.8	33	0.8	4	0.5	Hypertensive renal disease (403)	106	2.3	74	1.9	32	4.3
Malignant neoplasm of larynx (161)	76	1.6	55	1.4	21	2.8	Hypertensive heart and renal disease (404)	60	1.3	42	1.1	18	2.4
Malignant neoplasm of trachea, bronchus, and lung (162)	2,303	49.7	1,961	50.5	342	45.4	Acute myocardial infarction (410)	6,736	145.3	6,046	155.7	689	91.5
Malignant neoplasm of all other and ill-defined sites within the respiratory system and intrathoracic organs (160,163-165)	25	0.5	18	0.5	7	0.9	Other acute and subacute forms of ischemic heart disease (411)	68	1.5	42	1.1	26	3.5
Malignant neoplasm of bone and articular cartilage and of connective and other soft tissue (170-171)	70	1.5	59	1.5	11	1.5	Angina pectoris (413)	12	0.3	10	0.3	2	0.3
Malignant neoplasm of skin (172-173)	156	3.4	149	3.8	7	0.9	Old myocardial infarction and other forms of chronic ischemic heart disease (412,414)	4,323	93.2	3,680	94.8	642	85.3
Malignant neoplasm of female breast (174)	654	14.1	551	14.2	103	13.7	Diseases of pulmonary circulation (415-417)	185	4.0	155	4.0	30	4.0
Malignant neoplasm of male breast (175)	6	0.1	4	0.1	2	0.3	Acute pericarditis, acute and subacute endocarditis, acute myocarditis, and other diseases of pericardium (420-423)	21	0.5	17	0.4	4	0.5
Malignant neoplasm of cervix uteri (180)	106	2.3	78	2.0	28	3.7	Other diseases of endocardium (424)	130	2.8	113	2.9	17	2.3
Malignant neoplasm of other parts of uterus (179,181,182)	95	2.0	78	2.0	17	2.3	Cardiomyopathy (425)	156	3.4	119	3.1	37	4.9
Malignant neoplasm of other female genital organs (183-184)	244	5.3	221	5.7	23	3.1	Heart failure (428)	531	11.5	451	11.6	80	10.6
							All other and ill-defined forms of heart disease (426-427,429)	2,087	45.0	1,511	38.9	576	76.5

* Rate per 1,000 population.

x Rate less than 0.05.

Totals may include one or more deaths with race not stated.

TABLE V (Continued)—DEATHS ACCORDING TO 211 SELECTED CAUSES (9th Rev. ICD), WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1981

CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES		CAUSE OF DEATH	ALL RACES		WHITE		ALL OTHER RACES	
	No.	Rate	No.	Rate	No.	Rate		No.	Rate	No.	Rate	No.	Rate
Subarachnoid hemorrhage (430).....	144	3.1	121	3.1	23	3.1	Rheumatoid arthritis and other inflammatory polyarthropathies (714).....	31	0.7	31	0.8	.....	.....
Intracerebral and other and unspecified intracranial hemorrhage (431-432).....	436	9.4	327	8.4	109	14.5	Other arthropathies and related disorders (710-712,715-719).....	77	1.7	58	1.5	19	2.5
Occlusion and stenosis of precerebral arteries (433).....	43	0.9	38	1.0	5	0.7	Dorsopathies (720-724).....	11	0.2	7	0.2	4	0.5
Occlusion of cerebral arteries (434).....	709	15.3	593	15.3	116	15.4	Rheumatism, excluding the back (725-729).....	5	0.1	3	0.1	2	0.3
Acute but ill-defined cerebrovascular disease (436).....	2,204	47.5	1,779	45.8	425	56.5	Osteopathies, chondropathies, and acquired musculoskeletal deformities (730-739).....	17	0.4	15	0.4	2	0.3
Other and ill-defined and late effects of cerebrovascular disease (435,437-438).....	552	11.9	462	11.9	90	12.0	Spina bifida (741).....	6	0.1	5	0.1	1	0.1
Atherosclerosis (440).....	620	13.4	522	13.4	98	13.0	All other congenital anomalies of nervous system (740,742).....	36	0.8	29	0.7	7	0.9
Aortic aneurysm (441).....	233	5.0	216	5.6	17	2.3	Congenital anomalies of heart (745-746).....	88	1.9	72	1.9	16	2.1
All other diseases of arteries, arterioles, and capillaries (442-448).....	110	2.4	89	2.3	21	2.8	Other congenital anomalies of circulatory system (747).....	19	0.4	14	0.4	5	0.7
Diseases of veins and lymphatics, and other diseases of circulatory system (451-459).....	100	2.2	76	2.0	24	3.2	All other congenital anomalies (743-744,748-759).....	113	2.4	93	2.4	20	2.7
Acute bronchitis and bronchiolitis (466).....	13	0.3	10	0.3	3	0.4	Certain conditions originating in the perinatal period (760-779).....	57	1.2	35	0.9	22	2.9
Viral pneumonia (480).....	17	0.4	17	0.4	.....	.....	Immaturity (765).....	18	0.4	11	0.3	7	0.9
Pneumococcal and other bacterial pneumonia (481-482).....	92	2.0	71	1.8	21	2.8	Birth trauma (767).....	32	0.7	12	0.3	20	2.7
Bronchopneumonia, organism unspecified (485).....	168	3.6	158	4.1	10	1.3	Intrauterine hypoxia and birth asphyxia (768).....	88	1.9	61	1.6	27	3.6
Pneumonia due to other and unspecified organism (483,486).....	785	16.9	675	17.4	110	14.6	Respiratory distress syndrome (769).....	250	5.4	124	3.2	126	16.7
Influenza (487).....	112	2.4	99	2.5	13	1.7	All other conditions originating in the perinatal period (760-764,766,770-779).....	19	0.4	18	0.5	1	0.1
Bronchitis, chronic and unspecified (490-491).....	82	1.8	78	2.0	4	0.5	Senility without mention of psychosis (797).....	694	15.0	554	14.3	137	18.2
Emphysema (492).....	274	5.9	261	6.7	13	1.7	Symptoms, signs, and ill-defined conditions (780-796,798-799).....	6	0.1	6	0.2	.....	.....
Asthma (493).....	66	1.4	48	1.2	18	2.4	Railway accidents (E800-E807).....	432	9.3	401	10.3	31	4.1
Chronic airways obstruction, not elsewhere classified (496).....	844	18.2	766	19.7	78	10.4	Motor vehicle traffic accident involving collision with another motor vehicle (E811-E812).....	333	7.2	293	7.5	40	5.3
Empyema and abscess of lung and mediastinum (510,513).....	12	0.3	7	0.2	5	0.7	Motor vehicle traffic accident involving collision with other vehicle or object (E813,E815).....	131	2.8	101	2.6	30	4.0
Pleurisy (511).....	14	0.3	13	0.3	1	0.1	Motor vehicle traffic accident involving collision with pedestrian (E814).....	141	3.0	132	3.4	9	1.2
All other diseases of the respiratory system (460-465, 470-478,494-495,500-508,512,514-519).....	345	7.4	294	7.6	51	6.8	Motor vehicle accident not involving collision on highway (E816-E818).....	69	1.5	59	1.5	10	1.3
Diseases of oral cavity, salivary glands, and jaws (520-529).....	3	0.1	1	x	2	0.3	Motor vehicle traffic accidents of other and unspecified nature (E810,E819).....	26	0.6	22	0.6	4	0.5
Gastric ulcer (531).....	48	1.0	42	1.1	6	0.8	Motor vehicle nontraffic accidents (E820-E825).....	3	0.1	3	0.1	.....	.....
Duodenal ulcer (532).....	30	0.6	24	0.6	6	0.8	Other road vehicle accidents (E826-E829).....	35	0.8	29	0.7	6	0.8
Peptic ulcer, site unspecified (533).....	48	1.0	40	1.0	8	1.1	Water transport accidents (E830-E838).....	15	0.3	15	0.4	.....	.....
Gastritis and duodenitis (535).....	5	0.1	5	0.1	.....	.....	Air and space transport accidents (E840-E845).....	.....	.....	.....	.....	.....	.....
Other diseases of esophagus, stomach, and duodenum (530,534,536,537).....	34	0.7	31	0.8	3	0.4	Vehicle accidents not elsewhere classifiable (E846-E848).....	.....	.....	.....	.....	.....	.....
Appendicitis (540-543).....	14	0.3	12	0.3	2	0.3	Accidental poisoning by drugs, medicaments and biologicals (E850-E858).....	52	1.1	45	1.2	7	0.9
Hernia of abdominal cavity and intestinal obstruction without mention of hernia (550-553,560).....	84	1.8	66	1.7	18	2.4	Accidental poisoning by other solid and liquid substances, gases, and vapors (E860-E869).....	31	0.7	22	0.6	9	1.2
Regional enteritis and idiopathic proctocolitis (555-556).....	10	0.2	9	0.2	1	0.1	Misadventures during surgical and medical care, abnormal reactions, and late complications (E870-E879).....	22	0.5	14	0.4	8	1.1
All other noninfective gastroenteritis and colitis (557-558).....	170	3.7	152	3.9	18	2.4	Accidental falls (E880-E888).....	227	4.9	207	5.3	20	2.7
Diverticula of intestine (562).....	55	1.2	46	1.2	9	1.2	Accidents caused by fire and flames (E890-E899).....	151	3.3	120	3.1	31	4.1
Chronic liver disease and cirrhosis (571).....	404	8.7	339	8.7	65	8.6	Accidents due to natural and environmental factors (E900-E909).....	43	0.9	34	0.9	9	1.2
Cholelithiasis and other disorders of gallbladder (574-575).....	83	1.8	74	1.9	9	1.2	Accidental drowning and submersion (E910).....	108	2.3	87	2.2	21	2.8
All other diseases of digestive system (564-570, 572-573,576-579).....	293	6.3	240	6.2	53	7.0	Suffocation by food or other object (E911-E912).....	80	1.7	58	1.5	22	2.9
Acute glomerulonephritis (580).....	3	0.1	3	0.1	.....	.....	Accident caused by firearm missile (E922).....	71	1.5	60	1.5	11	1.5
Nephrotic syndrome (581).....	4	0.1	2	0.1	2	0.3	All other accidents and late effects of accidental injury (E913-E921,E923-E929).....	223	4.8	192	4.9	31	4.1
Chronic glomerulonephritis, nephritis and nephropathy, not specified as acute or chronic, and renal sclerosis, unspecified (582-583,587).....	77	1.7	52	1.3	25	3.3	Drugs, medicaments, and biological substances causing adverse effects in therapeutic use (E930-E949).....	6	0.1	5	0.1	1	0.1
Renal failure, disorders resulting from impaired renal function, and small kidney of unknown cause (584-586,588-589).....	290	6.3	228	5.8	64	8.5	Suicide and selfinflicted injury by firearms and explosives (E955).....	421	9.1	393	10.1	27	3.6
Infections of kidney (590).....	54	1.2	49	1.3	5	0.7	All other suicides and selfinflicted injuries (E950-E954,E956-E959).....	156	3.4	136	3.5	20	2.7
Urinary calculus (592,594).....	15	0.3	11	0.3	4	0.5	Assault by firearms and explosives (E965).....	370	8.0	210	5.4	160	21.3
All other diseases of urinary system (591,593,595-599).....	266	5.7	200	5.2	66	8.8	All other homicides and injuries purposely inflicted by other persons (E960-E964,E966-E969).....	138	3.0	71	1.8	67	8.9
Hyperplasia of prostate (600).....	15	0.3	13	0.3	2	0.3	Legal intervention (E970-E978).....	2	x	2	0.1	.....	.....
Other diseases of male genital organs (601-608).....	10	0.2	8	0.2	2	0.3	Injury by firearms and explosives, undetermined whether accidentally or purposely inflicted (E985).....	45	1.0	39	1.0	6	0.8
Disorders of breast (610-611).....	.....	.....	.....	.....	.....	.....	All other injuries undetermined whether accidentally or purposely inflicted (E980-E984, E986-E989).....	33	0.7	28	0.7	5	0.7
Diseases of female genital organs (614-629).....	8	0.2	7	0.2	1	0.1	Injury resulting from operations of war (E990-E999).....	2	x	2	0.1	.....	.....
Pregnancy with abortive outcome (630-638).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hemorrhage of pregnancy and childbirth (640-641,666).....	1	x	1	x	.....	.....	.....	.....	.....	.....	.....	.....	.....
Toxemia of pregnancy, childbirth and the puerperium (642.4-642.9,643).....	2	x	2	0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other complications of pregnancy, childbirth and the puerperium (642.0-642.3,644-665,667-676).....	7	0.2	6	0.2	1	0.1	.....	.....	.....	.....	.....	.....	.....
Infections of skin and subcutaneous tissue (680-686).....	12	0.3	10	0.3	2	0.3	.....	.....	.....	.....	.....	.....	.....
All other inflammatory conditions and diseases of skin and subcutaneous tissue (690-709).....	42	0.9	20	0.5	22	2.9	.....	.....	.....	.....	.....	.....	.....

x Rate less than 0.05.

Totals may include one or more deaths with race not stated.

TABLE VI—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1961	STATE			ANDERSON			BEDFORD			BENTON		
	ALL RACES 4,636,018 No. Rate	WHITE 3,883,140 No. Rate	OTHER RACES 752,878 No. Rate	ALL RACES 67,924 No. Rate	WHITE 64,570 No. Rate	OTHER RACES 3,354 No. Rate	ALL RACES 28,103 No. Rate	WHITE 25,067 No. Rate	OTHER RACES 3,036 No. Rate	ALL RACES 15,230 No. Rate	WHITE 14,822 No. Rate	OTHER RACES 408 No. Rate
LIVE BIRTHS	67,050 14.5	51,429 13.2	15,614 20.7	849 12.5	803 12.4	46 13.7	390 13.9	332 13.2	58 19.1	164 10.8	158 10.7	6 14.7
ILLEGITIMATE BIRTHS	13,647 20.4	4,748 9.2	8,897 57.0	111 13.1	85 10.6	26 56.5	62 15.9	32 9.6	50 51.7	19 11.6	17 10.8	2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	5,381 8.0	3,284 6.4	2,095 13.4	62 7.3	58 7.2	4 8.7	35 9.0	24 7.2	11 19.0	17 10.4	15 9.5	2
INFANT DEATHS (Under one year of age)	846 12.6	522 10.1	324 20.8	9 10.6	9 11.2	.....	5 12.8	3 9.0	2 34.5	4 24.4	3 19.0	1
Neonatal Deaths (Under 28 days of age)	593 8.8	356 6.9	237 15.2	5 5.9	5 6.2	.....	4 10.3	3 9.0	1 17.2	4 24.4	3 19.0	1
Under 7 days of age	500	304	196	4	4 .....	.....	3	2	1	4	3	1
7-27 days of age	93	52	41	1	1 .....	.....	1	1 .....	.....	.....	.....	.....
MATERNAL DEATHS (ICD codes 630-676)	10 1.5	9 1.7	1 0.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
FETAL DEATHS	585 8.7	388 7.5	196 12.6	7 8.2	7 8.7	.....	.....	.....	.....	.....	.....	.....
INDUCED ABORTIONS	17,744 264.6	13,224 257.1	4,497 288.0	234 275.6	220 274.0	14 304.3	57 146.2	46 138.6	11 189.7	34 207.3	33 208.9	1
TOTAL DEATHS	40,480 8.7	33,533 8.6	6,941 9.2	570 8.4	548 8.5	22 6.6	254 9.0	214 8.5	40 13.2	172 11.3	164 11.1	8 19.6
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Certain other intestinal infections (007-009)	6 0.1	4 0.1	2 0.3	1 1.5	1 1.5	.....	.....	.....	.....	.....	.....	.....
Tuberculosis, all forms (010-018)	57 1.2	43 1.1	14 1.9	1 1.5	1 1.5	.....	.....	.....	.....	1 6.6	1 8.7	.....
Whooping cough (033) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Streptococcal sore throat, scarlatina & erysipelas (034-035) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meningococcal infection (036)	11 0.2	8 0.2	3 0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Septicemia (038)	141 3.0	94 2.4	47 6.2	1 1.5	1 1.5	.....	.....	.....	.....	.....	.....	.....
Acute poliomyelitis (045) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral encephalitis (049.8-049.9, 062-064)	3 0.1	3 0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles (055) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral hepatitis (070)	24 0.5	21 0.5	3 0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mtn. spotted fever (082.0)	1 0.0	1 0.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syphilis (090-097)	2 0.0	1 0.0	1 0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other infectious & parasitic diseases (remainder of 091-139)	81 1.7	70 1.8	11 1.5	2 2.9	2 3.1	.....	.....	.....	.....	.....	.....	.....
Malignant neoplasms (140-208)	8,355 180.2	6,930 178.5	1,425 189.3	123 181.1	116 179.6	7	51 181.5	45 179.5	6	27 177.3	26 175.4	1
Lip, oral cavity & pharynx (140-149)	191 4.1	156 4.0	35 4.6	6 8.8	6 9.3	.....	2 7.1	2 8.0	.....	.....	.....	.....
Digestive organs & peritoneum (150-159)	2,008 43.3	1,613 41.5	395 52.5	29 42.7	25 38.7	4	13 46.3	12 47.9	1	2 13.1	2 13.5	.....
Respiratory & intrathoracic organs (160-185)	2,404 51.9	2,034 52.4	370 49.1	34 50.1	33 51.1	1	15 53.4	14 55.9	1	7 46.0	7 47.2	.....
Breast (174-175)	660 14.2	555 14.3	105 13.9	11 16.2	10 15.5	.....	3 10.7	3 12.0	.....	3 19.7	3 20.2	.....
Female genital organs (179-184)	445 9.6	377 9.7	68 9.0	4 5.9	4 6.2	.....	2 7.1	2 8.0	.....	3 19.7	3 20.2	.....
Male genital organs (185-187)	509 11.0	368 9.5	141 18.7	7 10.3	7 10.8	.....	1 3.6	1 4.0	.....	1 6.6	1 6.7	.....
Urinary organs (188-189)	338 7.3	285 7.3	53 7.0	5 7.4	5 7.7	.....	3 10.7	1 4.0	2	2 13.1	1 6.7	1
Other & unsp. sites (170-173, 190-199)	1,040 22.4	879 22.6	161 21.4	13 19.1	12 18.6	1	10 35.6	8 31.9	2	5 32.8	5 33.7	.....
Leukemia (204-208)	321 6.9	278 7.2	43 5.7	5 7.4	5 7.7	.....	1 3.6	1 4.0	.....	4 26.3	4 27.0	.....
Other lymphatic & hematopoietic tissue (200-203)	439 9.5	385 9.9	54 7.2	9 13.3	9 13.9	.....	1 3.6	1 4.0	.....	.....	.....	.....
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	122 2.6	102 2.6	20 2.7	3 4.4	3 4.6	.....	2 7.1	2 8.0	.....	.....	.....	.....
Diabetes mellitus (250)	609 13.1	454 11.7	155 20.6	8 11.8	6 9.3	2	1 3.6	.....	1	2 13.1	2 13.5	.....
Nutritional deficiencies (260-269)	48 1.0	40 1.0	8 1.1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anemias (280-285)	61 1.3	44 1.1	17 2.3	2 2.9	2 3.1	.....	.....	.....	.....	1 6.6	1 6.7	.....
Meningitis (320-322)	30 0.6	19 0.5	11 1.5	1 1.5	1 1.5	.....	.....	.....	.....	.....	.....	.....
Diseases of heart (390-398, 402, 404-429)	14,894 321.3	12,547 323.1	2,345 311.5	158 232.6	155 240.0	3	90 320.3	77 307.2	13	87 571.2	84 566.7	3
Rheumatic fever & rheumatic heart disease (390-398)	94 2.0	83 2.1	11 1.5	3 4.4	3 4.6	.....	1 3.6	1 4.0	.....	.....	.....	.....
Hypertensive heart disease (402)	491 10.6	278 7.2	213 28.3	.....	.....	.....	3 10.7	2 8.0	1	3 19.7	3 20.2	.....
Hypertensive heart & renal disease (404)	60 1.3	42 1.1	18 2.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ischemic heart disease (410-414)	11,139 240.3	9,778 251.8	1,359 180.5	121 178.1	119 184.3	2	68 242.0	62 247.3	6	63 413.7	61 411.6	2
All other forms of heart disease (415-429)	3,110 67.1	2,366 60.9	744 98.8	34 50.1	33 51.1	1	18 64.1	12 47.9	6	21 137.9	20 134.9	1
Hypertension, with or without renal disease (401, 403)	156 3.4	106 2.7	50 6.6	1 1.5	1 1.5	.....	2 7.1	.....	2 .....	.....	.....	.....
Cerebrovascular disease (430-438)	4,088 88.2	3,320 85.5	768 102.0	59 86.9	57 88.3	2	34 121.0	29 115.7	5	11 72.2	11 74.2	.....
Atherosclerosis (440)	620 13.4	522 13.4	98 13.0	8 11.8	7 10.8	1	1 3.6	1 4.0	.....	1 6.6	1 6.7	.....
Other diseases of arteries, arterioles & capillaries (441-448)	343 7.4	305 7.9	38 5.0	6 8.8	6 9.3	.....	4 14.2	4 16.0	.....	3 19.7	3 20.2	.....
Acute bronchitis & bronchiolitis (466)	13 0.3	10 0.3	3 0.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pneumonia (480-486)	1,062 22.9	921 23.7	141 18.7	10 14.7	10 15.5	.....	4 14.2	4 16.0	.....	4 26.3	3 20.2	1
Influenza (487)	112 2.4	99 2.5	13 1.7	.....	.....	.....	.....	.....	.....	1 6.6	1 6.7	.....
Bronchitis, chronic & unsp. (490-491)	82 1.8	78 2.0	4 0.5	1 1.5	1 1.5	.....	.....	.....	.....	.....	.....	.....
Emphysema (492)	274 5.9	261 6.7	13 1.7	2 2.9	1 1.5	1	1 3.6	1 4.0	.....	2 13.1	2 13.5	.....
Asthma (493)	66 1.4	48 1.2	18 2.4	1 1.5	1 1.5	.....	.....	.....	.....	.....	.....	.....
Other chronic obstructive pulmonary disease & allied conditions (494-496)	873 18.8	795 20.5	78 10.4	17 25.0	17 26.3	.....	4 14.2	4 16.0	.....	1 6.6	1 6.7	.....
Ulcer of stomach & duodenum (531-533)	126 2.7	106 2.7	20 2.7	3 4.4	3 4.6	.....	1 3.6	1 4.0	.....	1 6.6	1 6.7	.....
Appendicitis (540-543)	14 0.3	12 0.3	2 0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hernia & intestinal obstruction (550-553, 560)	84 1.8	66 1.7	18 2.4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic liver disease & cirrhosis (571)	404 8.7	339 8.7	65 8.6	7 10.3	7 10.8	.....	3 10.7	3 12.0	.....	1 6.6	1 6.7	.....
Cholelithiasis & other disorders of gallbladder (574-575)	83 1.8	74 1.9	9 1.2	1 1.5	1 1.5	.....	1 3.6	.....	1 .....	.....	.....	.....
Acute glomerulonephritis & nephrotic syndrome (580-581)	7 0.2	5 0.1	2 0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	77 1.7	52 1.3	25 3.3	.....	.....	.....	1 3.6	1 4.0	.....	.....	.....	.....
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	290 6.3	226 5.8	64 8.5	4 5.9	4 6.2	.....	2 7.1	1 4.0	1 .....	.....	.....	.....
Infections of kidney (590)	54 1.2	49 1.3	5 0.7	2 2.9	2 3.1	.....	1 3.6	1 4.0	.....	1 6.6	1 6.7	.....
Hyperplasia of prostate (600)	15 0.3	13 0.3	2 0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Complications of pregnancy, childbirth & the puerperium (630-676)	10 1.5	9 1.7	1 0.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congenital anomalies (740-759)	262 5.7	213 5.5	49 6.5	3 4.4	3 4.6	.....	.....	.....	.....	1 6.6	1 6.7	.....
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	138 3.0	84 2.2	54 7.2	2 2.9	2 3.1	.....	1 3.6	.....	1	2 13.1	1 6.7	1
Other conditions originating in the perinatal period (760-766, 770-779)	307 6.6	159 4.1	148 19.7	2 2.9	2 3.1	.....	2 7.1	2 8.0	.....	1 6.6	1 6.7	.....
Symptoms, signs & ill-defined conditions (780-799)	713 15.4	572 14.7	138 18.3	46 67.7	44 68.1	2	2 7.1	1 4.0	1	1 6.6	1 6.7	.....
All other diseases	2,390 51.6	1,922 49.5	468 62.2	35 51.5	34 52.7	1	21 74.7	16 63.8	5	10 65.7	10 67.5	.....
Motor vehicle accidents (E810-E825) All other accidents & adverse effects (E800-E807, E826-E949)	1,132 24.4	1,008 26.0	124 16.5	25 36.8	22 34.1	3	12 42.7	11 43.9	1	6 39.4	5 33.7	1
Suicide (E950-E959)	1,073 23.1	897 23.1	176 23.4	15 22.1	15 23.2	.....	3 10.7	1 4.0	2	4 26.3	4 27.0	.....
Homicide & legal intervention (E960-E978) All other external causes (E980-E999)	577 12.4	529 13.6	47 6.2	13 19.1	13 20.1	.....	10 35.6	9 35.9	1	3 19.7	2 13.5	1

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	BLEDSOE			BLOUNT			BRADLEY			CAMPBELL		
	ALL RACES 9,706 No. Rate	WHITE 9,346 No. Rate	OTHER RACES 362 No. Rate	ALL RACES 79,129 No. Rate	WHITE 76,233 No. Rate	OTHER RACES 2,896 No. Rate	ALL RACES 69,116 No. Rate	WHITE 65,969 No. Rate	OTHER RACES 3,147 No. Rate	ALL RACES 36,063 No. Rate	WHITE 35,775 No. Rate	OTHER RACES 288 No. Rate
LIVE BIRTHS	125 12.9	124 13.3	1 2.8	1,064 13.4	1,009 13.2	55 19.0	965 14.0	912 13.8	53 16.8	496 13.8	489 13.7	7 24.3
ILLEGITIMATE BIRTHS	14 11.2	14 11.3		149 14.0	124 12.3	25 45.5	95 9.8	65 7.1	30 56.6	74 14.9	71 14.5	3
LOW-WEIGHT BIRTHS (Less than 2500 grams)	7 5.6	7 5.6		76 7.1	72 7.1	4 7.3	60 6.2	57 6.2	3 5.7	41 8.3	38 7.8	3
INFANT DEATHS (Under one year of age)	3 24.0	3 24.2		15 14.1	13 12.9	2 36.4	6 6.2	5 5.5	1 18.9	5 10.1	5 10.2	
Neonatal Deaths (Under 28 days of age)	2 16.0	2 16.1		14 13.2	12 11.9	2 36.4	3 3.1	2 2.2	1 18.9	4 8.1	4 8.2	
Under 7 days of age	2	2		8	6	2	3	2	1	3	3	
7-27 days of age				6	6					1	1	
MATERNAL DEATHS (ICD codes 630-676)										1 20.2	1 20.4	
FETAL DEATHS	1 8.0	1 8.1		4 3.8	3 3.0	1 18.2	9 9.3	9 9.9		7 14.1	7 14.3	
INDUCED ABORTIONS	22 176.0	21 169.4	1	313 294.2	286 283.4	27 490.9	172 178.2	159 174.3	13 245.3	66 133.1	66 135.0	
TOTAL DEATHS	69 7.1	64 6.8	5 13.8	647 8.2	614 8.1	33 11.4	459 6.6	426 6.5	33 10.5	345 9.6	345 9.6	
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				2 2.5	2 2.6					1 2.8	1 2.8	
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				1 1.3	1 1.3		2 2.9	2 3.0				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)				1 1.3	1 1.3							
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				2 2.5	2 2.6							
Malignant neoplasms (140-209)	8 82.4	7 74.9	1	150 189.6	142 186.3	8	85 123.0	78 118.2	7	79 219.1	79 220.8	
Lip, oral cavity & pharynx (140-149)				1 1.3	1 1.3		4 5.8	4 6.1				
Digestive organs & peritoneum (150-159)	2 20.6	2 21.4		46 58.1	43 56.4	3	17 24.6	16 24.3	1	20 55.5	20 55.9	
Respiratory & intrathoracic organs (160-165)												
Breast (174-175)	4 41.2	3 32.1	1	39 49.3	37 48.5	2	27 39.1	23 34.9	4	19 52.7	19 53.1	
Female genital organs (179-184)	1 10.3	1 10.7		7 8.8	6 7.9	1	3 4.3	3 4.5		10 27.7	10 28.0	
Male genital organs (185-187)				5 6.3	5 6.6		4 5.8	4 6.1		4 11.1	4 11.2	
Urinary organs (188-189)				9 11.4	8 10.5	1	5 7.2	4 6.1	1	4 11.1	4 11.2	
Other & unsp. sites (170-173, 190-199)	1 10.3	1 10.7		5 6.3	5 6.6		3 4.3	3 4.5		4 11.1	4 11.2	
Leukemia (204-206)				22 27.8	21 27.5	1	11 15.9	11 16.7		6 16.6	6 16.8	
Other lymphatic & hematopoietic tissue (200-203)				6 7.6	6 7.9		4 5.8	4 6.1		3 8.3	3 8.4	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				10 12.6	10 13.1		7 10.1	6 9.1	1	9 25.0	9 25.2	
Diabetes mellitus (250)	3 30.9	3 32.1		2 2.5	2 2.6		1 1.4	1 1.5		1 2.8	1 2.8	
Nutritional deficiencies (260-269)				7 8.8	6 7.9	1	3 4.3	2 3.0	1	3 8.3	3 8.4	
Anemias (280-285)				1 1.3	1 1.3					1 2.8	1 2.8	
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	32 329.6	30 321.0	2	207 261.6	195 255.8	12	162 234.4	151 228.9	11	121 335.5	121 338.2	
Rheumatic fever & rheumatic heart disease (390-398)				2 2.5	2 2.6					1 2.8	1 2.8	
Hypertensive heart disease (402)				10 12.6	7 9.2	3	4 5.8	4 6.1		2 5.5	2 5.6	
Hypertensive heart & renal disease (404)				1 1.3	1 1.3		1 1.4	1 1.5				
Ischemic heart disease (410-414)	28 288.4	26 278.2	2	159 200.9	153 200.7	6	140 202.6	129 195.5	11	98 271.7	98 273.9	
All other forms of heart disease (415-429)	4 41.2	4 42.8		35 44.2	32 42.0	3	17 24.6	17 25.8		20 55.5	20 55.9	
Hypertension, with or without renal disease (401, 403)				3 3.8	3 3.9					1 2.8	1 2.8	
Cerebrovascular disease (430-438)	2 20.6	2 21.4		76 96.0	73 95.8	3	64 92.6	59 89.4	5	29 80.4	29 81.1	
Atherosclerosis (440)				12 15.2	12 15.7					2 5.5	2 5.6	
Other diseases of arteries, arterioles & capillaries (441-448)	1 10.3	1 10.7		7 8.8	7 9.2		6 8.7	6 9.1		4 11.1	4 11.2	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	2 20.6	2 21.4		21 26.5	20 26.2	1	10 14.5	10 15.2		14 38.8	14 39.1	
Influenza (487)				6 7.6	6 7.9		1 1.4	1 1.5				
Bronchitis, chronic & unsp. (490-491)				1 1.3	1 1.3					1 2.8	1 2.8	
Emphysema (492)	1 10.3	1 10.7		7 8.8	7 9.2		8 11.6	8 12.1		3 8.3	3 8.4	
Asthma (493)				1 1.3		1	2 2.9	2 3.0		1 2.8	1 2.8	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	1 10.3	1 10.7		13 16.4	13 17.1		8 11.6	8 12.1		10 27.7	10 28.0	
Ulcer of stomach & duodenum (531-533)				2 2.5	2 2.6		2 2.9	2 3.0		3 8.3	3 8.4	
Appendicitis (540-543)							1 1.4		1			
Hernia & intestinal obstruction (550-553, 560)				2 2.5	2 2.6							
Chronic liver disease & cirrhosis (571)				8 10.1	7 9.2	1	3 4.3	3 4.5		2 5.5	2 5.6	
Cholelithiasis & other disorders of gallbladder (574-575)				3 3.8	3 3.9					1 2.8	1 2.8	
Acute glomerulonephritis & nephrotic syndrome (580-581)										1 2.8	1 2.8	
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1 1.4	1 1.5		3 8.3	3 8.4	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	2 20.6	2 21.4		2 2.5	2 2.6		3 4.3	2 3.0	1	3 8.3	3 8.4	
Infections of kidney (590)				1 1.3	1 1.3		2 2.9	2 3.0				
Hyperplasia of prostate (600)				1 1.3	1 1.3					1 2.8	1 2.8	
Complications of pregnancy, childbirth & the puerperium (630-676)										1 20.2	1 20.4	
Congenital anomalies (740-759)				10 12.6	10 13.1		3 4.3	3 4.5		4 11.1	4 11.2	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 10.3	1 10.7		4 5.1	3 3.9	1				1 2.8	1 2.8	
Other conditions originating in the perinatal period (760-766, 770-779)	1 10.3	1 10.7		3 3.8	2 2.6	1	2 2.9	1 1.5	1	1 2.8	1 2.8	
Symptoms, signs & ill-defined conditions (780-799)				8 10.1	8 10.5		9 13.0	7 10.6	2	8 22.2	8 22.4	
All other diseases	3 30.9	1 10.7	2	44 55.6	40 52.5	4	29 42.0	28 42.4	1	17 47.1	17 47.5	
Motor vehicle accidents (E810-E825)	2 20.6	2 21.4		15 19.0	15 19.7		19 27.5	18 27.3	1	10 27.7	10 28.0	
All other accidents & adverse effects (E800-E807, E826-E849)	8 82.4	8 85.6		9 11.4	9 11.8		17 24.6	16 24.3	1	9 25.0	9 25.2	
Suicide (E950-E959)				12 15.2	12 15.7		9 13.0	9 13.6		4 11.1	4 11.2	
Homicide & legal intervention (E960-E978)	2 20.6	2 21.4		3 3.8	3 3.9		7 10.1	6 9.1	1	5 13.9	5 14.0	
All other external causes (E980-E999)												

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	CANNON			CARROLL			CARTER			CHEATHAM		
	All Races 10,432 No. Rate	White 10,221 No. Rate	Other Races 211 No. Rate	All Races 28,396 No. Rate	White 25,129 No. Rate	Other Races 3,267 No. Rate	All Races 50,693 No. Rate	White 50,127 No. Rate	Other Races 566 No. Rate	All Races 22,996 No. Rate	White 22,357 No. Rate	Other Races 639 No. Rate
LIVE BIRTHS	118 11.3	112 11.0	6 28.4	362 12.7	313 12.5	49 15.0	602 11.9	591 11.8	11 19.4	313 13.6	310 13.9	3 4.7
ILLEGITIMATE BIRTHS	12 10.2	11 9.8	1	32 8.8	13 4.2	19 38.8	67 11.1	63 10.7	4 36.4	29 9.3	27 8.7	2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	7 5.9	7 6.2		33 9.1	27 8.6	6 12.2	38 6.3	37 6.3	1 9.1	11 3.5	11 3.5	
INFANT DEATHS (Under one year of age)	2 16.9	2 17.9		3 8.3	3 9.6		8 13.3	8 13.5		1 3.2	1 3.2	
Neonatal Deaths (Under 28 days of age)	2 16.9	2 17.9		2 5.5	2 6.4		5 8.3	5 8.5		1 3.2	1 3.2	
Under 7 days of age	2	2		2	2		4	4		1	1	
7-27 days of age							1	1				
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 8.5		1	4 11.0	2 6.4	2 40.8	7 11.6	7 11.8		2 6.4	2 6.5	
INDUCED ABORTIONS	17 144.1	17 151.8		60 165.7	44 140.6	16 326.5	61 101.3	59 99.8	2 181.8	57 182.1	57 183.9	
TOTAL DEATHS	101 9.7	99 9.7	2 9.5	353 12.4	313 12.5	40 12.2	416 8.2	408 8.1	8 14.1	133 5.8	127 5.7	6 9.4
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				1 3.5		1	2 3.9	2 4.0				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)	1 9.6	1 9.8										
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				1 3.5	1 4.0		2 3.9	2 4.0		1 4.3	1 4.5	
Malignant neoplasms (140-208)	21 201.3	21 205.5		69 243.0	61 242.7	8	74 146.0	73 145.6	1	19 82.6	19 85.0	
Lip, oral cavity & pharynx (140-149)							1 2.0	1 2.0				
Digestive organs & peritoneum (150-159)	9 86.3	9 88.1		15 52.8	14 55.7	1	16 31.6	16 31.9		4 17.4	4 17.9	
Respiratory & intrathoracic organs (160-165)	6 57.5	6 58.7		25 88.0	23 91.5	2	23 45.4	22 43.9	1	7 30.4	7 31.3	
Breast (174-175)				5 17.6	5 19.9		8 15.8	8 16.0				
Female genital organs (179-184)	1 9.6	1 9.8		5 17.6	3 11.9	2	3 5.9	3 6.0		1 4.3	1 4.5	
Male genital organs (185-187)	2 19.2	2 19.6		4 14.1	2 8.0	2	2 3.9	2 4.0		1 4.3	1 4.5	
Urinary organs (188-189)	1 9.6	1 9.8		1 3.5	1 4.0		7 13.8	7 14.0		1 4.3	1 4.5	
Other & unsp. sites (170-173, 190-199)	1 9.6	1 9.8		7 24.7	7 27.9		9 17.8	9 18.0		2 8.7	2 8.9	
Leukemia (204-208)	1 9.6	1 9.8		4 14.1	4 15.9	2	2 3.9	2 4.0				
Other lymphatic & hematopoietic tissue (200-203)				3 10.6	2 8.0	1	3 5.9	3 6.0		3 13.0	3 13.4	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 9.6	1 9.8					1 2.0	1 2.0		1 4.3	1 4.5	
Diabetes mellitus (250)	3 28.8	2 19.6	1	3 10.6	3 11.9		8 15.8	8 16.0				
Nutritional deficiencies (260-269)												
Anemias (280-285)												
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	38 364.3	38 371.8		138 486.0	123 489.5	15	153 301.8	147 293.3	6	51 221.8	49 219.2	2
Rheumatic fever & rheumatic heart disease (390-398)	1 9.6	1 9.8										
Hypertensive heart disease (402)	3 28.8	3 29.4		1 3.5	1 4.0		1 2.0	1 2.0		2 8.7	2 8.9	
Hypertensive heart & renal disease (404)				2 7.0	2 8.0		1 2.0	1 2.0				
Ischemic heart disease (410-414)	28 268.4	28 273.9		114 401.5	101 401.9	13	111 219.0	109 217.4	2	40 173.9	38 170.0	2
All other forms of heart disease (415-429)	6 57.5	6 58.7		21 74.0	19 75.6	2	40 78.9	36 71.8	4	9 39.1	9 40.3	
Hypertension, with or without renal disease (401, 403)				3 10.6	3 11.9		1 2.0	1 2.0				
Cerebrovascular disease (430-438)	6 57.5	5 48.9	1	52 183.1	45 179.1	7	36 71.0	36 71.8		12 52.2	9 40.3	3
Atherosclerosis (440)	1 9.6	1 9.8		5 17.6	4 15.9	1	4 7.9	4 8.0		2 8.7	2 8.9	
Other diseases of arteries, arterioles & capillaries (441-448)				2 7.0	2 8.0		7 13.8	7 14.0		1 4.3	1 4.5	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	1 9.6	1 9.8		9 31.7	7 27.9	2	16 31.6	16 31.9		3 13.0	3 13.4	
Influenza (487)							1 2.0	1 2.0				
Bronchitis, chronic & unsp. (490-491)										1 4.3	1 4.5	
Emphysema (492)	3 28.8	3 29.4		2 7.0	2 8.0		1 2.0	1 2.0				
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)												
Ulcer of stomach & duodenum (531-533)	2 19.2	2 19.6		10 35.2	10 39.8		10 19.7	10 19.9		8 34.8	7 31.3	1
Appendicitis (540-543)				2 7.0	2 8.0		1 2.0	1 2.0		2 8.7	2 8.9	
Hernia & intestinal obstruction (550-553, 560)	2 19.2	2 19.6					2 3.9	2 4.0				
Chronic liver disease & cirrhosis (571)				1 3.5	1 4.0		7 13.8	7 14.0		2 8.7	2 8.9	
Cholelithiasis & other disorders of gallbladder (574-575)							1 2.0	1 2.0				
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1 2.0	1 2.0				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 9.6	1 9.8		8 28.2	8 31.8		6 11.8	5 10.0	1	1 4.3	1 4.5	
Infections of kidney (590)												
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 9.6	1 9.8		2 7.0	2 8.0		1 2.0	1 2.0				
Birth trauma, intrauterine hypoxia, asphyxia & respiratory distress syndrome (767-769)							2 3.9	2 4.0				
Other conditions originating in the perinatal period (760-766, 770-779)	2 19.2	2 19.6		1 3.5	1 4.0		1 2.0	1 2.0		1 4.3	1 4.5	
Symptoms, signs & ill-defined conditions (780-799)				1 3.5	1 4.0		13 25.6	13 27.9				
All other diseases	5 47.9	5 48.9		21 74.0	19 75.6	2	39 76.9	39 77.8		3 13.0	3 13.4	
Motor vehicle accidents (E810-E825)	8 76.7	8 78.3		7 24.7	4 15.9	3	6 11.8	6 12.0		15 65.2	15 67.1	
All other accidents & adverse effects (E800-E807, E826-E949)	1 9.6	1 9.8		8 28.2	8 31.8		8 15.8	8 16.0		2 8.7	2 8.9	
Suicide (E950-E959)	1 9.6	1 9.8		5 17.6	5 19.9		5 9.9	5 10.0		2 8.7	2 8.9	
Homicide & legal intervention (E960-E978)	3 28.8	3 29.4		2 7.0	1 4.0	1	5 9.9	5 10.0		6 26.1	6 26.8	
All other external causes (E980-E999)							2 3.9	2 4.0				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	CHESTER			CLAIBORNE			CLAY			COCKE		
	All Races 12,843	White 11,486	Other Races 1,357	All Races 25,087	White 24,699	Other Races 388	All Races 7,772	White 7,644	Other Races 128	All Races 29,112	White 28,355	Other Races 757
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	149 11.6	119 10.4	30 21.8	324 12.9	316 12.8	8 20.6	85 10.9	84 11.0	1 7.8	378 13.0	372 13.1	6 7.9
ILLEGITIMATE BIRTHS	22 14.8	6 5.0	16 53.3	32 9.9	28 8.9	4	10 11.8	9 10.7	1	70 18.5	68 18.3	2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	11 7.4	8 6.7	3 10.0	22 6.8	21 6.6	1	9 10.6	9 10.7		27 7.1	27 7.3	
INFANT DEATHS (Under one year of age)	1 6.7	1 8.4		2 6.2	2 6.3		3 35.3	3 35.7		8 21.2	8 21.5	
Neonatal Deaths (Under 28 days of age)	1 6.7	1 8.4		1 3.1	1 3.2		1 11.8	1 11.9		5 13.2	5 13.4	
Under 7 days of age	1	1		1	1		1	1		4	4	
7-27 days of age										1	1	
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	3 20.1	1 8.4	2 66.7	4 12.3	4 12.7		1 11.8	1 11.9		4 10.6	4 10.8	
INDUCED ABORTIONS	23 154.4	18 151.3	5 166.7	43 132.7	42 132.9	1	2 23.5	2 23.8		87 230.2	74 198.9	13
TOTAL DEATHS	99 7.7	80 7.0	19 13.8	230 9.2	224 9.1	6 15.5	51 6.6	50 6.5	1 7.8	281 9.7	263 9.3	18 23.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Menomococcal infection (036)												
Septicemia (038)												
Acute poliomyelitis (045)										1 3.4	1 3.5	
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 12.9	1 13.1		1 3.4	1 3.5	
Malignant neoplasms (140-208)	15 116.8	10 87.2	5	30 119.6	29 117.4	1	15 193.0	15 196.2		56 192.4	55 194.0	1
Lip, oral cavity & pharynx (140-149)				1 4.0	1 4.0					5 17.2	5 17.6	
Digestive organs & peritoneum (150-159)	4 31.1	3 26.2	1	8 31.9	8 32.4		3 38.6	3 39.2		18 61.8	17 60.0	
Respiratory & intrathoracic organs (160-165)	4 31.1	3 26.2	1	11 43.8	11 44.5		6 77.2	6 78.5		9 30.9	9 31.7	
Breast (174-175)				1 4.0	1 4.0		1 12.9	1 13.1		2 6.9	2 7.1	
Female genital organs (179-184)							1 12.9	1 13.1		4 13.7	4 14.1	
Male genital organs (185-187)	3 23.4	2 17.4	1	1 4.0	1 4.0		2 25.7	2 26.2		3 10.3	3 10.6	
Urinary organs (188-189)				1 4.0	1 4.0		1 12.9	1 13.1		2 6.9	2 7.1	
Other & unsp. sites (170-173, 190-199)				4 15.9	3 12.1	1	1 12.9	1 13.1		11 37.8	11 38.8	
Leukemia (204-208)	3 23.4	1 8.7	2	2 8.0	2 8.1							
Other lymphatic & hematopoietic tissue (209-233)	1 7.8	1 8.7		1 4.0	1 4.0							
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 7.8	1 8.7								2 6.9	2 7.1	
Diabetes mellitus (250)	1 7.8		1				1 12.9	1 13.1		11 37.8	10 35.3	1
Nutritional deficiencies (260-269)	1 7.8	1 8.7										
Anemias (280-285)												
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	43 334.8	33 287.8	10	89 354.8	89 360.3		16 205.9	16 209.3		99 340.1	94 331.5	5
Rheumatic fever & rheumatic heart disease (390-398)				1 4.0	1 4.0					1 3.4	1 3.5	
Hypertensive heart disease (402)				1 4.0	1 4.0		1 12.9	1 13.1				
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	41 319.2	32 279.1	9	79 314.9	79 319.9		15 193.0	15 196.2		91 312.6	86 303.3	5
All other forms of heart disease (415-429)	2 15.6	1 8.7		8 31.9	8 32.4					7 24.0	7 24.7	
Hypertension, with or without renal disease (401, 403)	1 7.8		1									
Cerebrovascular disease (430-438)	16 124.6	14 122.1	2	22 87.7	21 85.0	1	2 25.7	2 26.2		31 106.5	29 102.3	2
Atherosclerosis (440)	3 23.4	3 26.2		1 4.0	1 4.0					2 6.9	2 7.1	
Other diseases of arteries, arterioles & capillaries (441-448)				4 15.9	4 16.2					2 6.9	2 7.1	
Acute bronchitis & bronchiolitis (466)				1 4.0	1 4.0							
Pneumonia (480-486)	3 23.4	3 26.2		31 123.6	29 117.4	2	1 12.9	1 13.1		8 27.5	8 28.2	
Influenza (487)				1 4.0	1 4.0							
Bronchitis, chronic & unsp. (490-491)												
Emphysema (492)				3 12.0	3 12.1					2 6.9	2 7.1	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)				9 35.9	9 36.4		2 25.7	2 26.2		5 17.2	5 17.6	
Ulcer of stomach & duodenum (531-533)	1 7.8	1 8.7					1 12.9		1			
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							1 12.9	1 13.1		1 3.4	1 3.5	
Chronic liver disease & cirrhosis (571)										1 3.4		1
Cholelithiasis & other disorders of gallbladder (574-575)												
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 7.8	1 8.7		2 8.0	2 8.1					1 3.4	1 3.5	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)										1 3.4	1 3.5	
Infections of kidney (590)										1 3.4	1 3.5	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 7.8	1 8.7		1 4.0	1 4.0		2 25.7	2 26.2		4 13.7	3 10.6	1
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)				1 4.0	1 4.0					1 3.4	1 3.5	
Symptoms, signs & ill-defined conditions (780-799)	1 7.8	1 8.7		1 4.0	1 4.0					1 3.4	1 3.5	
All other diseases	3 23.4	3 26.2		12 47.8	11 44.5	1	4 51.5	4 52.3		5 17.2	5 17.6	
Motor vehicle accidents (E810-E825)	2 15.6	2 17.4		8 31.9	7 28.3	1	1 12.9	1 13.1		8 27.5	6 21.2	2
All other accidents & adverse effects (E800-E807, E826-E849)	3 23.4	3 26.2		9 35.9	9 36.4		2 25.7	2 26.2		19 65.3	16 56.4	3
Suicide (E950-E959)				4 15.9	4 16.2		1 12.9	1 13.1		8 27.5	6 21.2	2
Homicide & legal intervention (E960-E978)	1 7.8	1 8.7		1 4.0	1 4.0					6 20.6	6 21.2	
All other external causes (E980-E999)							1 12.9	1 13.1		3 10.3	3 10.6	
										1 3.4	1 3.5	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	COFFEE			CROCKETT			CUMBERLAND			DAVIDSON		
	All Races 38,856 No. Rate	White 37,265 No. Rate	Other Races 1,591 No. Rate	All Races 14,915 No. Rate	White 12,136 No. Rate	Other Races 2,779 No. Rate	All Races 29,642 No. Rate	White 29,567 No. Rate	Other Races 75 No. Rate	All Races 475,667 No. Rate	White 364,835 No. Rate	Other Races 110,832 No. Rate
LIVE BIRTHS	555 14.3	521 14.0	34 21.4	183 12.3	132 10.9	51 18.4	378 12.8	378 12.8	.....	7,225 15.2	5,052 13.8	2,172 19.6
ILLEGITIMATE BIRTHS	54 9.7	44 8.4	10 29.4	45 24.6	11 8.3	34 66.7	52 13.8	52 13.8	.....	1,810 25.1	580 11.5	1,230 56.6
LOW-WEIGHT BIRTHS (Less than 2500 grams)	42 7.6	39 7.5	3 8.8	13 7.1	8 6.1	5 9.8	26 6.9	26 6.9	.....	613 8.5	338 6.7	275 12.7
INFANT DEATHS (Under one year of age)	5 9.0	5 9.6	.....	.....	.....	.....	2 5.3	2 5.3	.....	98 13.6	55 10.9	43 19.8
Neonatal Deaths (Under 28 days of age)	3 5.4	3 5.8	.....	.....	.....	.....	1 2.6	1 2.6	.....	74 10.2	42 8.3	32 14.7
Under 7 days of age	3	3	.....	.....	.....	.....	1	1	.....	63	38	25
7-27 days of age	.....	.....	.....	.....	.....	.....	.....	.....	.....	11	4	7
MATERNAL DEATHS (ICD codes 630-676)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 1.4	1 2.0	.....
FETAL DEATHS	2 3.6	2 3.8	.....	2 10.9	2 15.2	.....	3 7.9	3 7.9	.....	78 10.8	48 9.5	30 13.8
INDUCED ABORTIONS	103 185.6	96 184.3	7 205.9	33 180.3	27 204.5	6 117.6	70 185.2	70 185.2	.....	2,756 381.5	1,925 381.0	824 379.4
TOTAL DEATHS	334 8.6	318 8.5	16 10.1	128 8.6	111 9.1	17 6.1	252 8.5	252 8.5	.....	4,103 8.6	3,138 8.6	964 8.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Certain other intestinal infections (007-009)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis, all forms (010-018)	.....	.....	.....	.....	.....	.....	.....	.....	.....	2 0.4	1 0.3	1 0.9
Whooping cough (033)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Streptococcal sore throat, scarlatina & erysipelas (034-035)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meningococcal infection (036)	1 2.6	1 2.7	.....	.....	.....	.....	.....	.....	.....	1 0.2	1 0.3	.....
Septicemia (038)	.....	.....	.....	.....	.....	.....	2 6.7	2 6.8	.....	9 1.9	5 1.4	4 3.6
Acute poliomyelitis (045)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral encephalitis (049.8-049.9, 062-064)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 0.2	1 0.3	.....
Measles (055)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral hepatitis (070)	.....	.....	.....	.....	.....	.....	.....	.....	.....	5 1.1	5 1.4	.....
Rocky Mtn. spotted fever (082.0)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syphilis (090-097)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other infectious & parasitic diseases (remainder of 001-139)	2 5.1	2 5.4	.....	.....	.....	.....	.....	.....	.....	7 1.5	7 1.9	.....
Malignant neoplasms (140-208)	77 198.2	73 195.9	4	21 140.8	18 148.3	3	51 172.1	51 172.5	.....	906 190.5	694 190.2	212 191.3
Lip, oral cavity & pharynx (140-149)	3 7.7	3 8.1	.....	1 6.7	1 8.2	.....	.....	.....	.....	31 6.5	21 5.8	10 9.0
Digestive organs & peritoneum (150-159)	18 46.3	18 48.3	.....	7 26.8	7 57.7	.....	9 30.4	9 30.4	.....	219 46.0	156 42.8	63 56.8
Respiratory & intrathoracic organs (160-165)	21 54.0	18 48.3	3	4 26.8	4 33.0	.....	16 54.0	16 54.1	.....	258 54.2	201 55.1	57 51.4
Breast (174-175)	7 18.0	7 18.8	.....	1 6.7	1 8.2	.....	10 33.7	10 33.8	.....	75 15.8	61 16.7	14 12.6
Female genital organs (179-184)	7 18.0	7 18.8	.....	1 6.7	1 8.2	.....	1 3.4	1 3.4	.....	42 8.8	32 8.8	10 9.0
Male genital organs (185-187)	3 7.7	3 8.1	.....	4 26.8	2 16.5	2	2 6.7	2 6.8	.....	57 12.0	35 9.6	22 19.8
Urinary organs (188-189)	5 12.9	5 13.4	.....	1 6.7	1 8.2	.....	1 3.4	1 3.4	.....	27 5.7	22 6.0	5 4.5
Other & unsp. sites (170-173, 190-199)	9 23.2	9 24.2	.....	1 6.7	1 8.2	.....	7 23.6	7 23.7	.....	98 20.6	80 21.9	18 16.2
Leukemia (204-208)	2 5.1	2 5.4	.....	1 6.7	.....	1	4 13.5	4 13.5	.....	32 6.7	25 6.9	7 6.3
Other lymphatic & hematopoietic tissue (200-203)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	2 5.1	1 2.7	1	.....	.....	.....	1 3.4	1 3.4	.....	67 14.1	61 16.7	6 5.4
Diabetes mellitus (250)	3 7.7	2 5.4	1	4 26.8	4 33.0	.....	.....	.....	.....	10 2.1	6 1.6	4 3.6
Nutritional deficiencies (260-269)	.....	.....	.....	.....	.....	.....	.....	.....	.....	71 14.9	48 13.2	23 20.8
Anemias (280-285)	1 2.6	1 2.7	.....	.....	.....	.....	.....	.....	.....	6 1.3	3 0.8	3 2.7
Meningitis (320-322)	.....	.....	.....	.....	.....	.....	.....	.....	.....	4 0.8	2 0.5	2 1.8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6 1.3	3 0.8	3 2.7
Diseases of heart (390-398, 402, 404-429)	117 301.1	112 300.6	5	58 388.9	48 395.5	10	103 347.5	103 348.4	.....	1,452 305.3	1,145 313.8	306 276.1
Rheumatic fever & rheumatic heart disease (390-398)	1 2.6	1 2.7	.....	.....	.....	.....	1 3.4	1 3.4	.....	17 3.6	14 3.8	3 2.7
Hypertensive heart disease (402)	1 2.6	1 2.7	.....	1 6.7	1 8.2	.....	2 6.7	2 6.8	.....	91 19.1	38 10.4	53 17.8
Hypertensive heart & renal disease (404)	.....	.....	.....	.....	.....	.....	.....	.....	.....	9 1.9	7 1.9	2 1.8
Ischemic heart disease (410-414)	95 244.5	91 244.2	4	51 341.9	44 362.6	7	88 296.9	88 297.6	.....	1,082 227.5	887 243.1	194 175.0
All other forms of heart disease (415-429)	20 51.5	19 51.0	1	6 40.2	3 24.7	3	12 40.5	12 40.6	.....	253 53.2	199 54.5	54 48.7
Hypertension, with or without renal disease (401, 403)	3 7.7	2 5.4	1	1 6.7	1 8.2	.....	1 3.4	1 3.4	.....	13 2.7	7 1.9	6 5.4
Cerebrovascular disease (430-438)	34 87.5	33 88.6	1	18 120.7	17 140.1	1	24 81.0	24 81.2	.....	411 86.4	299 82.0	112 101.1
Atherosclerosis (440)	7 18.0	7 18.8	.....	2 13.4	2 16.5	.....	6 20.2	6 20.3	.....	67 14.1	62 17.0	5 4.5
Other diseases of arteries, arterioles & capillaries (441-448)	6 15.4	5 13.4	1	.....	.....	.....	3 10.1	3 10.1	.....	38 8.0	30 8.2	8 7.2
Acute bronchitis & bronchiolitis (466)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pneumonia (480-486)	7 18.0	7 18.8	.....	4 26.8	3 24.7	1	5 16.9	5 16.9	.....	84 17.7	69 18.9	15 13.5
Influenza (487)	1 2.6	1 2.7	.....	.....	.....	.....	.....	.....	.....	18 3.8	14 3.8	4 3.6
Bronchitis, chronic & unsp. (490-491)	1 2.6	1 2.7	.....	.....	.....	.....	1 3.4	1 3.4	.....	11 2.3	10 2.7	1 0.9
Emphysema (492)	2 5.1	2 5.4	.....	1 6.7	1 8.2	.....	4 13.5	4 13.5	.....	45 9.5	43 11.8	2 1.8
Asthma (493)	.....	.....	.....	.....	.....	.....	.....	.....	.....	7 1.5	5 1.4	2 1.8
Other chronic obstructive pulmonary disease & allied conditions (494-496)	17 43.8	16 42.9	1	3 20.1	2 16.5	1	5 16.9	5 16.9	.....	82 17.2	68 18.6	14 12.6
Ulcer of stomach & duodenum (531-533)	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 2.9	11 3.0	3 2.7
Appendicitis (540-543)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 0.2	1 0.3	.....
Hernia & intestinal obstruction (550-553, 560)	.....	.....	.....	.....	.....	.....	.....	.....	.....	9 1.9	8 2.2	1 0.9
Chronic liver disease & cirrhosis (571)	9 23.2	9 24.2	.....	1 6.7	1 8.2	.....	1 3.4	1 3.4	.....	54 11.4	40 11.0	14 12.6
Cholelithiasis & other disorders of gallbladder (574-575)	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 2.5	10 2.7	2 1.8
Acute glomerulonephritis & nephrotic syndrome (580-581)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 1.7	6 1.6	2 1.8
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	5 12.9	5 13.4	.....	.....	.....	.....	.....	.....	.....	31 6.5	21 5.8	10 9.0
Infections of kidney (590)	.....	.....	.....	1 6.7	1 8.2	.....	1 3.4	1 3.4	.....	6 1.3	5 1.4	1 0.9
Hyperplasia of prostate (600)	.....	.....	.....	.....	.....	.....	1 3.4	1 3.4	.....	1 0.2	1 0.3	.....
Complications of pregnancy, childbirth & the puerperium (630-676)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 1.4	1 2.0	.....
Congenital anomalies (740-759)	2 5.1	2 5.4	.....	1 6.7	1 8.2	.....	2 6.7	2 6.8	.....	24 5.0	18 4.9	6 5.4
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	.....	.....	.....	.....	.....	.....	.....	.....	.....	19 4.0	8 2.2	11 9.9
Other conditions originating in the perinatal period (760-766, 770-779)	2 5.1	2 5.4	.....	.....	.....	.....	.....	.....	.....	36 7.6	17 4.7	19 17.1
Symptoms, signs & ill-defined conditions (780-799)	2 5.1	2 5.4	.....	2 13.4	1 8.2	.....	2 6.7	2 6.8	.....	11 2.3	6 1.6	5 4.5
All other diseases	16 41.2	15 40.3	1	5 33.5	5 41.2	.....	17 57.4	17 57.5	.....	280 58.9	207 56.7	73 65.9
Motor vehicle accidents (E810-E825)	5 12.9	5 13.4	.....	3 20.1	3 24.7	.....	11 37.1	11 37.2	.....	91 19.1	81 22.2	10 9.0
All other accidents & adverse effects (E800-E807, E826-E949)	7 18.0	7 18.8	.....	2 13.4	2 16.5	.....	5 16.9	5 16.9	.....	99 20.8	77 21.1	22 19.8
Suicide (E950-E959)	3 7.7	2 5.4	1	.....	.....	.....	3 10.1	3 10.1	.....	54 11.4	47 12.9	7 6.3
Homicide & legal intervention (E960-E979)	2 5.1	2 5.4								82 17.2	35 9.6	47 42.4
All other external causes (E980-E999)	1 2.6	1 2.7					2 6.7	2 6.8		14 2.9	10 2.7	4 3.6

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Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	DECATUR						DEKALB						DICKSON						DYER						
	All Races 10,989 No. Rate		White 10,488 No. Rate		Other Races 501 No. Rate		All Races 13,885 No. Rate		White 13,575 No. Rate		Other Races 310 No. Rate		All Races 31,065 No. Rate		White 29,335 No. Rate		Other Races 1,730 No. Rate		All Races 35,027 No. Rate		White 30,903 No. Rate		Other Races 4,124 No. Rate		
LIVE BIRTHS	143	13.0	134	12.8	9	18.0	198	14.3	192	14.1	6	19.4	433	13.9	398	13.6	35	20.2	491	14.0	408	13.2	83	20.1	
ILLEGITIMATE BIRTHS	13	9.1	7	5.2	6	.....	21	10.6	18	9.4	3	.....	44	10.2	27	6.8	17	48.6	96	19.6	40	9.8	56	67.5	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	6	4.2	4	3.0	2	.....	14	7.1	13	6.8	1	.....	44	10.2	37	9.3	7	20.0	47	9.6	35	8.6	12	14.5	
INFANT DEATHS (Under one year of age) .....	.....	.....	.....	.....	.....	.....	1	5.1	1	5.2	.....	.....	5	11.5	3	7.5	2	57.1	9	18.3	5	12.3	4	48.2	
Neonatal Deaths (Under 28 days of age) .....	.....	.....	.....	.....	.....	.....	1	5.1	1	5.2	.....	.....	3	6.9	2	5.0	1	28.6	6	12.2	3	7.4	3	36.1	
Under 7 days of age .....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	2	.....	2	.....	.....	.....	6	.....	3	.....	3	.....	
7-27 days of age .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	
MATERNAL DEATHS (ICD codes 630-676) .....	.....	.....	.....	.....	.....	.....	1	50.5	1	52.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
FETAL DEATHS	1	7.0	1	7.5			2	10.1	2	10.4			3	6.9	2	5.0	1	28.6	3	6.1				3	36
INDUCED ABORTIONS	14	97.9	13	97.0	1	.....	23	116.2	21	109.4	1	.....	80	184.8	73	183.4	7	200.0	80	162.9	65	159.3	15	180.7	
TOTAL DEATHS	111	10.1	107	10.2	4	8.0	156	11.2	147	10.8	9	29.0	273	8.8	257	8.8	16	9.2	341	9.7	283	9.2	58	14.1	
CAUSE OF DEATH																									
Shigellosis & amebiasis (004, 006) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Certain other intestinal infections (007-009) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Tuberculosis, all forms (010-018) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2	1	3.4	.....	.....	.....	.....	.....	.....	.....	.....	
Whooping cough (033) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Streptococcal sore throat, scarlatina & erysipelas (034-035) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Meningococcal infection (036) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2.9	.....	1	3.2	.....	
Septicemia (038) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2	1	3.4	.....	.....	3	8.6	.....	3	9.7	.....	
Acute poliomyelitis (045) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Viral encephalitis (049.8-049.9, 062-064) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Measles (055) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Viral hepatitis (070) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Rocky Mtn. spotted fever (082.0) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Syphilis (090-097) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
All other infectious & parasitic diseases (remainder of 001-139) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2	1	3.4	.....	.....	1	2.9	.....	.....	.....	1	
Malignant neoplasms (140-208)	16	145.6	16	152.6	.....	.....	25	180.1	23	169.4	2	.....	47	151.3	45	153.4	2	.....	61	174.2	49	158.6	12	.....	
Lip, oral cavity & pharynx (140-149)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	5.7	.....	2	6.5	.....	
Digestive organs & peritoneum (150-159)	3	27.3	3	28.6	.....	.....	4	28.8	3	22.1	1	.....	18	57.9	17	58.0	1	.....	11	31.4	9	29.1	2	.....	
Respiratory & intrathoracic organs (160-165)	3	27.3	3	28.6	.....	.....	7	50.4	7	51.6	.....	.....	14	45.1	14	47.7	.....	.....	22	62.8	18	58.2	4	.....	
Breast (174-175) .....	.....	.....	.....	.....	.....	.....	3	21.6	3	22.1	.....	.....	1	3.2	1	3.4	.....	.....	5	14.3	4	12.9	1	.....	
Female genital organs (179-184)	1	9.1	1	9.5	.....	.....	4	28.8	4	29.5	.....	.....	2	6.4	2	6.8	.....	.....	3	8.6	3	9.7	.....	.....	
Male genital organs (185-187) .....	.....	.....	.....	.....	.....	.....	2	14.4	1	7.4	1	.....	2	6.4	2	6.8	.....	.....	.....	.....	.....	.....	.....	.....	
Urinary organs (188-189)	1	9.1	1	9.5	.....	.....	1	7.2	1	7.4	.....	.....	1	3.2	1	3.4	.....	.....	4	11.4	3	9.7	1	.....	
Other & unsp. sites (170-173, 190-199)	6	54.6	6	57.2	.....	.....	3	21.6	3	22.1	.....	.....	5	16.1	4	13.6	1	.....	10	28.5	7	22.7	3	.....	
Leukemia (204-208)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	4	12.9	4	13.6	.....	.....	1	2.9	1	3.2	.....	.....	
Other lymphatic & hematopoietic tissue (200-203) .....	.....	.....	.....	.....	.....	.....	1	7.2	1	7.4	.....	.....	.....	.....	.....	.....	.....	.....	3	8.6	2	6.5	1	.....	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2	1	3.4	.....	.....	1	2.9	.....	.....	.....	1	
Diabetes mellitus (250)	1	9.1	1	9.5	.....	.....	1	7.2	1	7.4	.....	.....	4	12.9	2	6.8	2	.....	3	8.6	3	9.7	.....	.....	
Nutritional deficiencies (260-269)	1	9.1	1	9.5	.....	.....	1	7.2	1	7.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Anemias (280-285)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Meningitis (320-322) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2	1	3.4	.....	.....	.....	.....	.....	.....	.....	.....	
Diseases of heart (390-398, 402, 404-429)	45	409.5	44	419.5	1	.....	84	605.0	78	574.6	6	.....	134	431.4	125	426.1	9	.....	106	302.6	96	310.6	10	.....	
Rheumatic fever & rheumatic heart disease (390-398) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2.9	1	3.2	.....	.....	
Hypertensive heart disease (402)	1	9.1	1	9.5	.....	.....	2	14.4	2	14.7	.....	.....	2	6.4	2	6.8	.....	.....	3	8.6	1	3.2	2	.....	
Hypertensive heart & renal disease (404) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Ischemic heart disease (410-414)	29	263.9	28	267.0	1	.....	65	468.1	60	442.0	5	.....	111	357.3	105	357.9	6	.....	91	259.8	86	278.3	5	.....	
All other forms of heart disease (415-429)	15	136.5	15	143.0	.....	.....	17	122.4	16	117.9	1	.....	21	67.6	18	61.4	3	.....	11	31.4	8	25.9	3	.....	
Hypertension, with or without renal disease (401, 403) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Cerebrovascular disease (430-438)	10	91.0	10	95.3	.....	.....	14	100.8	14	103.1	.....	.....	18	57.9	18	61.4	.....	.....	43	122.8	35	113.3	8	.....	
Atherosclerosis (440)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	5.7	1	3.2	1	.....	
Other diseases of arteries, arterioles & capillaries (441-448)	2	18.2	2	19.1	.....	.....	1	7.2	1	7.4	.....	.....	2	6.4	2	6.8	.....	.....	3	8.6	3	9.7	.....	.....	
Acute bronchitis & bronchiolitis (466) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Pneumonia (480-486)	7	63.7	7	66.7	.....	.....	3	21.6	2	14.7	1	.....	8	25.8	8	27.3	.....	.....	1	2.9	1	3.2	.....	.....	
Influenza (487) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	40.0	14	45.3	.....	.....	
Bronchitis, chronic & unsp. (490-491)	2	18.2	1	9.5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Emphysema (492) .....	.....	.....	.....	.....	.....	.....	4	28.8	4	29.5	.....	.....	1	3.2	1	3.4	.....	.....	1	2.9	1	3.2	.....	.....	
Asthma (493)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2	1	3.4	.....	.....	1	2.9	.....	.....	.....	1	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3	27.3	3	28.6	.....	.....	2	14.4	2	14.7	.....	.....	5	16.1	5	17.0	.....	.....	5	14.3	5	16.2	.....	.....	
Ulcer of stomach & duodenum (531-533) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2	1	3.4	.....	.....	1	2.9	1	3.2	.....	.....	
Appendicitis (540-543) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Hernia & intestinal obstruction (550-553, 560) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Chronic liver disease & cirrhosis (571)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	2	6.4	2	6.8	.....	.....	3	8.6	3	9.7	.....	.....	
Cholelithiasis & other disorders of gallbladder (574-575)	1	9.1	1	9.5	.....	.....	1	7.2	1	7.4	.....	.....	.....	.....	.....	.....	.....	.....	2	5.7	2	6.5	.....	.....	
Acute glomerulonephritis & nephrotic syndrome (580-581) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1	9.1	1	9.5	.....	.....	.....	.....	.....	.....	.....	.....	1	3.2											

For definitions of certain terms and explanation of rates, see the Introduction to this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	FAYETTE			FENTRESS			FRANKLIN			GIBSON		
	ALL RACES 25,399 No. Rate	WHITE 12,929 No. Rate	OTHER RACES 12,470 No. Rate	ALL RACES 15,064 No. Rate	WHITE 15,034 No. Rate	OTHER RACES 90 No. Rate	ALL RACES 32,299 No. Rate	WHITE 29,925 No. Rate	OTHER RACES 2,371 No. Rate	ALL RACES 49,317 No. Rate	WHITE 39,983 No. Rate	OTHER RACES 9,334 No. Rate
LIVE BIRTHS	440 17.3	179 13.8	261 20.9	230 15.3	228 15.2	2 66.7	433 13.4	397 13.3	36 15.2	592 12.0	410 10.3	182 19.5
ILLEGITIMATE BIRTHS	177 40.2	17 9.5	160 61.3	22 9.6	22 9.6		56 12.9	40 10.1	16 44.4	145 24.5	29 7.1	116 63.7
LOW-WEIGHT BIRTHS (Less than 2500 grams)	43 9.8	11 6.1	32 12.3	15 6.5	15 6.6		18 4.2	16 4.0	2 5.6	57 9.6	23 5.6	34 18.7
INFANT DEATHS (Under one year of age)	4 9.1	1 5.6	3 11.5	2 8.7	2 8.8		3 6.9	3 7.6		12 20.3	7 17.1	5 27.5
Neonatal Deaths (Under 28 days of age)	3 6.8	1 5.6	2 7.7	1 4.3	1 4.4		1 2.3	1 2.5		8 13.5	4 9.8	4 22.0
Under 7 days of age	3	1	2	1	1		1	1		5	4	1
7-27 days of age										3		3
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	7 15.9	1 5.6	6 23.0	2 8.7	2 8.8		3 6.9	3 7.6		6 10.1	5 12.2	1 5.5
INDUCED ABORTIONS	59 134.1	31 173.2	28 107.3	21 91.3	21 92.1		57 131.6	51 128.5	6 166.7	106 179.1	77 187.8	28 153.8
TOTAL DEATHS	200 7.9	94 7.3	106 8.5	133 8.8	133 8.8		288 8.9	264 8.8	24 10.1	611 12.4	511 12.8	100 10.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							1 3.1		1			
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)										1 2.0	1 2.5	
Septicemia (038)	1 3.9		1 8.0							2 4.1	1 2.5	1 10.7
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)										1 2.0	1 2.5	
Measles (055)							1 3.1	1 3.3				
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							2 6.2	2 6.7				
Malignant neoplasms (140-208)	44 173.2	21 162.4	23 184.4	28 185.9	28 186.2		50 154.8	43 143.7	7	113 229.1	99 247.6	14 150.0
Lip, oral cavity & pharynx (140-149)	1 3.9	1 7.7		1 6.6	1 6.7		2 6.2	2 6.7		2 4.1	1 2.5	1 10.7
Digestive organs & peritoneum (150-159)	14 55.1	6 61.9	6 48.1	11 73.0	11 73.2		10 31.0	8 26.7	2	20 40.6	16 40.0	4 42.9
Respiratory & intrathoracic organs (160-165)	4 15.7	2 15.5	2 16.0	6 39.8	6 39.9		13 40.2	11 36.8	2	31 62.9	31 77.5	
Breast (174-175)	2 7.9	1 7.7	1 8.0	2 13.3	2 13.3		5 15.5	5 16.7		10 20.3	8 20.0	2 21.4
Female genital organs (179-184)	1 3.9	1 7.7		2 13.3	2 13.3		5 15.5	4 13.4	1	8 16.2	8 20.0	
Male genital organs (185-187)	7 27.6	1 7.7	6 48.1	4 12.4	4 13.4		4 12.4	4 13.4		12 24.3	9 22.5	3 32.1
Urinary organs (188-189)				2 13.3	2 13.3		2 6.2	1 3.3	1	3 6.1	3 7.5	
Other & unsp. sites (170-173, 190-199)	9 35.4	5 38.7	4 32.1	3 19.9	3 20.0		3 9.3	2 6.7	1	17 34.5	15 37.5	2 21.4
Leukemia (204-208)	4 15.7	2 15.5	2 16.0	1 6.6	1 6.7		2 6.2	2 6.7		6 12.2	4 10.0	2 21.4
Other lymphatic & hematopoietic tissue (200-203)	2 7.9		2 16.0				4 12.4	4 13.4		4 8.1	4 10.0	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				2 13.3	2 13.3		2 6.2	2 6.7		2 4.1	2 5.0	
Diabetes mellitus (250)	3 11.8	1 7.7	2 16.0	2 13.3	2 13.3		10 31.0	9 30.1	1	16 32.4	12 30.0	4 42.9
Nutritional deficiencies (260-269)							1 3.1	1 3.3				
Anemias (280-285)										1 2.0	1 2.5	
Meningitis (320-322)	1 3.9		1 8.0									
Diseases of heart (390-398, 402, 404-429)	53 208.7	28 216.6	25 200.5	39 258.9	39 259.4		103 318.9	96 320.8	7	251 509.0	210 525.2	41 439.3
Rheumatic fever & rheumatic heart disease (390-398)	1 3.9		1 8.0				1 3.1		1	2 4.1	2 5.0	
Hypertensive heart disease (402)	2 7.9		2 16.0				9 27.9	8 26.7	1	6 12.2	4 10.0	2 21.4
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	44 173.2	24 185.6	20 160.4	36 239.0	36 239.5		73 226.0	69 230.6	4	209 423.8	174 435.2	35 375.0
All other forms of heart disease (415-429)	6 22.6	4 30.9	2 16.0	3 19.9	3 20.0		20 61.9	19 63.5	1	34 68.9	30 75.0	4 42.9
Hypertension, with or without renal disease (401, 403)	3 11.8		3 24.1							1 2.0	1 2.5	
Cerebrovascular disease (430-438)	33 129.9	18 139.2	15 120.3	16 106.2	16 106.4		35 108.4	32 106.9	3	64 129.8	49 122.6	15 160.7
Atherosclerosis (440)				3 19.9	3 20.0		3 9.3	3 10.0		21 42.6	19 47.5	2 21.4
Other diseases of arteries, arterioles & capillaries (441-448)	1 3.9	1 7.7		2 13.3	2 13.3		2 6.2	2 6.7		5 10.1	4 10.0	1 10.7
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	3 11.8	1 7.7	2 16.0	8 53.1	8 53.2		6 18.6	6 20.0		15 30.4	14 35.0	1 10.7
Influenza (487)	2 7.9		2 16.0	1 6.6	1 6.7		1 3.1	1 3.3		1 2.0	1 2.5	
Bronchitis, chronic & unsp. (490-491)							1 3.1	1 3.3		2 4.1	2 5.0	
Emphysema (492)				2 13.3	2 13.3		2 6.2	2 6.7		1 2.0	1 2.5	
Asthma (493)							1 3.1	1 3.3		1 2.0		1 10.7
Other chronic obstructive pulmonary disease & related conditions (494-496)												
Ulcer of stomach & duodenum (531-533)	9 35.4	7 54.1	2 16.0	2 13.3	2 13.3		5 15.5	5 16.7		11 22.3	11 27.5	
Appendicitis (540-543)				3 19.9	3 20.0		1 3.1	1 3.3		1 2.0		1 10.7
Hernia & intestinal obstruction (550-553, 580)												
Chronic liver disease & cirrhosis (571)	1 3.9		1 8.0	2 13.3	2 13.3		2 6.2	2 6.7		6 12.2	4 10.0	2 21.4
Cholelithiasis & other disorders of gallbladder (574-575)												
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 3.9		1 8.0									
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)												
Infections of kidney (590)	3 11.8	2 15.5	1 8.0				7 21.7	7 23.4		5 10.1	5 12.5	
Hyperplasia of prostate (600)										1 2.0	1 2.5	
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 3.9		1 8.0				2 6.2	1 3.3	1	2 4.1	1 2.5	1 10.7
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)	2 7.9	1 7.7	1 8.0	1 6.6	1 6.7		1 3.1	1 3.3		4 8.1	2 5.0	2 21.4
Symptoms, signs & ill-defined conditions (780-799)	10 39.4	1 7.7	9 72.2	1 6.6	1 6.7		5 15.5	5 16.7		5 10.1	2 5.0	3 32.1
All other diseases	12 47.2	5 38.7	7 56.1	8 53.1	8 53.2		22 68.1	20 66.8	2	37 75.0	29 72.5	8 85.7
Motor vehicle accidents (E810-E825)	9 35.4	4 30.9	5 40.1	3 19.9	3 20.0		7 21.7	5 16.7	2	16 32.4	16 40.0	
All other accidents & adverse effects (E800-E807, E826-E849)	3 11.8	1 7.7	2 16.0	6 39.8	6 39.9		8 24.8	8 26.7		15 30.4	12 30.0	3 32.1
Suicide (E950-E959)	3 11.8	3 23.2		4 26.6	4 26.6		5 15.5	5 16.7		7 14.2	7 17.5	
Homicide & legal intervention (E960-E978)	2 7.9		2 16.0				1 3.1	1 3.3				
All other external causes (E980-E999)							1 3.1	1 3.3				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	GILES			GRAINGER			GREENE			GRUNDY		
	ALL RACES 24,773 No. Rate	WHITE 21,327 No. Rate	OTHER RACES 3,446 No. Rate	ALL RACES 17,010 No. Rate	WHITE 16,855 No. Rate	OTHER RACES 155 No. Rate	ALL RACES 54,913 No. Rate	WHITE 53,502 No. Rate	OTHER RACES 1,411 No. Rate	ALL RACES 14,161 No. Rate	WHITE 14,146 No. Rate	OTHER RACES 15 No. Rate
LIVE BIRTHS	332 13.4	271 12.7	61 17.7	196 11.5	196 11.6	—	668 12.2	649 12.1	18 12.8	210 14.8	210 14.8	—
ILLEGITIMATE BIRTHS	52 15.7	22 8.1	30 49.2	18 9.2	18 9.2	—	86 12.9	75 11.6	11 61.1	25 11.9	25 11.9	—
LOW-WEIGHT BIRTHS (Less than 2500 grams)	27 8.1	22 8.1	5 8.2	13 6.6	13 6.6	—	61 9.1	59 9.1	2 11.1	7 3.3	7 3.3	—
INFANT DEATHS (Under one year of age)	2 6.0	2 7.4	—	3 15.3	3 15.3	—	6 9.0	6 9.2	—	3 14.3	3 14.3	—
Neonatal Deaths (Under 28 days of age)	1 3.0	1 3.7	—	2 10.2	2 10.2	—	5 7.5	5 7.7	—	2 9.5	2 9.5	—
Under 7 days of age	1	1	—	2	2	—	5	5	—	2	2	—
7-27 days of age	—	—	—	—	—	—	—	—	—	—	—	—
MATERNAL DEATHS (ICD codes 630-676)	—	—	—	—	—	—	—	—	—	—	—	—
FETAL DEATHS	2 6.0	1 3.7	1 16.4	4 20.4	4 20.4	—	10 15.0	9 13.9	1 55.6	2 9.5	2 9.5	—
INDUCED ABORTIONS	39 117.5	32 118.1	7 114.8	29 148.0	28 142.9	1	131 196.1	122 188.0	9 500.0	16 76.2	15 71.4	1
TOTAL DEATHS	226 9.1	185 8.7	41 11.9	152 8.9	151 9.0	1 6.5	469 8.5	457 8.5	12 8.5	147 10.4	147 10.4	—
CAUSE OF DEATH												
Shigellosis & amebiasis (004.006)	—	—	—	—	—	—	—	—	—	—	—	—
Certain other intestinal infections (007-009)	—	—	—	—	—	—	—	—	—	—	—	—
Tuberculosis, all forms (010-018)	2 8.1	2 9.4	—	1 5.9	1 5.9	—	1 1.8	1 1.9	—	—	—	—
Whooping cough (033)	—	—	—	—	—	—	—	—	—	—	—	—
Streptococcal sore throat, scarlatina & erysipelas (034-035)	—	—	—	—	—	—	—	—	—	—	—	—
Meningococcal infection (036)	—	—	—	—	—	—	—	—	—	—	—	—
Septicemia (038)	3 12.1	2 9.4	1	1 5.9	1 5.9	—	1 1.8	1 1.9	—	—	—	—
Acute poliomyelitis (045)	—	—	—	—	—	—	—	—	—	—	—	—
Viral encephalitis (049.8-049.9, 062-064)	—	—	—	—	—	—	—	—	—	—	—	—
Measles (055)	—	—	—	—	—	—	—	—	—	—	—	—
Viral hepatitis (070)	—	—	—	—	—	—	—	—	—	—	—	—
Rocky Mtn. spotted fever (082.0)	—	—	—	—	—	—	—	—	—	1 7.1	1 7.1	—
Syphilis (090-097)	—	—	—	—	—	—	—	—	—	—	—	—
All other infectious & parasitic diseases (remainder of 001-139)	—	—	—	—	—	—	—	—	—	—	—	—
Malignant neoplasms (140-208)	38 153.4	32 150.0	6	23 135.2	23 136.5	—	86 156.6	83 155.1	3	22 155.4	22 155.5	—
Lip, oral cavity & pharynx (140-149)	—	—	—	1 5.9	1 5.9	—	—	—	—	1 7.1	1 7.1	—
Digestive organs & peritoneum (150-159)	12 48.4	8 37.5	4	4 23.5	4 23.7	—	18 31.8	18 33.6	—	6 42.4	6 42.4	—
Respiratory & intrathoracic organs (160-165)	8 32.3	7 32.8	1	8 47.0	8 47.5	—	29 52.8	28 52.3	1	6 42.4	6 42.4	—
Breast (174-175)	1 4.0	1 4.7	—	1 5.9	1 5.9	—	4 7.3	4 7.5	—	1 7.1	1 7.1	—
Female genital organs (179-184)	1 4.0	1 4.7	—	1 5.9	1 5.9	—	8 14.6	8 15.0	—	—	—	—
Male genital organs (185-187)	2 8.1	1 4.7	1	3 17.6	3 17.8	—	6 10.9	6 11.2	—	1 7.1	1 7.1	—
Urinary organs (188-189)	2 8.1	2 9.4	—	1 5.9	1 5.9	—	3 5.5	2 3.7	1	—	—	—
Other & unsp. sites (170-173, 190-199)	6 24.2	6 28.1	—	2 11.8	2 11.9	—	13 23.7	12 22.4	1	3 21.2	3 21.2	—
Leukemia (204-208)	5 20.2	5 23.4	—	1 5.9	1 5.9	—	—	—	—	1 7.1	1 7.1	—
Other lymphatic & hematopoietic tissue (200-203)	1 4.0	1 4.7	—	1 5.9	1 5.9	—	5 9.1	5 9.3	—	3 21.2	3 21.2	—
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	—	—	—	1 5.9	1 5.9	—	2 3.6	2 3.7	—	—	—	—
Diabetes mellitus (250)	2 8.1	2 9.4	—	2 11.8	2 11.9	—	12 21.9	11 20.6	1	4 28.2	4 28.3	—
Nutritional deficiencies (260-269)	1 4.0	—	1	—	—	—	2 3.6	2 3.7	—	—	—	—
Anemias (280-285)	—	—	—	—	—	—	—	—	—	—	—	—
Meningitis (320-322)	1 4.0	—	1	—	—	—	—	—	—	—	—	—
Diseases of heart (390-398, 402, 404-429)	89 359.3	75 351.7	14	44 258.7	43 255.1	1	213 387.9	206 385.0	7	55 388.4	55 388.8	—
Rheumatic fever & rheumatic heart disease (390-398)	1 4.0	1 4.7	—	1 5.9	1 5.9	—	2 3.6	2 3.7	—	—	—	—
Hypertensive heart disease (402)	3 12.1	—	3	—	—	—	7 12.7	7 13.1	—	3 21.2	3 21.2	—
Hypertensive heart & renal disease (404)	—	—	—	—	—	—	1 1.8	1 1.9	—	—	—	—
Ischemic heart disease (410-414)	55 222.0	46 215.7	9	38 223.4	38 225.5	—	139 253.1	136 254.2	3	33 233.0	33 233.3	—
All other forms of heart disease (415-429)	30 121.1	28 131.3	2	5 29.4	4 23.7	1	64 116.5	60 112.1	4	19 134.2	19 134.3	—
Hypertension, with or without renal disease (401, 403)	1 4.0	1 4.7	—	—	—	—	1 1.8	1 1.9	—	—	—	—
Cerebrovascular disease (430-438)	31 125.1	25 117.2	6	18 105.8	18 106.8	—	28 51.0	28 52.3	—	6 42.4	6 42.4	—
Atherosclerosis (440)	2 8.1	1 4.7	1	4 23.5	4 23.7	—	3 5.5	3 5.6	—	3 21.2	3 21.2	—
Other diseases of arteries, arterioles & capillaries (441-448)	2 8.1	2 9.4	—	—	—	—	3 5.5	2 3.7	1	—	—	—
Acute bronchitis & bronchiolitis (466)	—	—	—	—	—	—	—	—	—	—	—	—
Pneumonia (480-486)	4 16.1	4 18.8	—	5 29.4	5 29.7	—	14 25.5	14 26.2	—	5 35.3	5 35.3	—
Influenza (487)	1 4.0	1 4.7	—	—	—	—	2 3.6	2 3.7	—	—	—	—
Bronchitis, chronic & unsp. (490-491)	—	—	—	1 5.9	1 5.9	—	1 1.8	1 1.9	—	—	—	—
Emphysema (492)	1 4.0	1 4.7	—	1 5.9	1 5.9	—	2 3.6	2 3.7	—	2 14.1	2 14.1	—
Asthma (493)	1 4.0	1 4.7	—	—	—	—	1 1.8	1 1.9	—	1 7.1	1 7.1	—
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 12.1	3 14.1	—	3 17.6	3 17.8	—	12 21.9	12 22.4	—	4 28.2	4 28.3	—
Ulcer of stomach & duodenum (531-533)	1 4.0	1 4.7	—	1 5.9	1 5.9	—	—	—	—	—	—	—
Appendicitis (540-543)	—	—	—	—	—	—	—	—	—	—	—	—
Hernia & intestinal obstruction (550-553, 560)	—	—	—	1 5.9	1 5.9	—	2 3.6	2 3.7	—	—	—	—
Chronic liver disease & cirrhosis (571)	—	—	—	—	—	—	7 12.7	7 13.1	—	—	—	—
Cholelithiasis & other disorders of gallbladder (574-575)	3 12.1	3 14.1	—	—	—	—	1 1.8	1 1.9	—	—	—	—
Acute glomerulonephritis & nephrotic syndrome (580-531)	—	—	—	—	—	—	—	—	—	—	—	—
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	—	—	—	1 5.9	1 5.9	—	4 7.3	4 7.5	—	1 7.1	1 7.1	—
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	3 12.1	1 4.7	2	1 5.9	1 5.9	—	6 10.9	6 11.2	—	1 7.1	1 7.1	—
Infections of kidney (590)	—	—	—	—	—	—	2 3.6	2 3.7	—	1 7.1	1 7.1	—
Hyperplasia of prostate (600)	—	—	—	1 5.9	1 5.9	—	—	—	—	—	—	—
Complications of pregnancy, childbirth & the puerperium (630-676)	—	—	—	—	—	—	—	—	—	—	—	—
Congenital anomalies (740-759)	1 4.0	1 4.7	—	1 5.9	1 5.9	—	3 5.5	3 5.6	—	4 28.2	4 28.3	—
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 4.0	1 4.7	—	—	—	—	1 1.8	1 1.9	—	—	—	—
Other conditions originating in the perinatal period (760-766, 770-779)	—	—	—	1 5.9	1 5.9	—	2 3.6	2 3.7	—	—	—	—
Symptoms, signs & ill-defined conditions (780-799)	1 4.0	—	1	22 129.3	22 130.5	—	2 3.6	2 3.7	—	7 49.4	7 49.5	—
All other diseases	8 32.3	6 28.1	2	3 17.6	3 17.8	—	25 45.5	25 46.7	—	9 63.6	9 63.6	—
Motor vehicle accidents (E810-E825)	4 16.1	3 14.1	1	2 11.8	2 11.9	—	12 21.9	12 22.4	—	6 42.4	6 42.4	—
All other accidents & adverse effects (E800-E807, E826-E849)	17 68.6	13 61.0	4	10 58.8	10 59.3	—	8 14.6	8 15.0	—	11 77.7	11 77.8	—
Suicide (E950-E959)	5 20.2	4 18.8	1	3 17.6	3 17.8	—	7 12.7	7 13.1	—	1 7.1	1 7.1	—
Homicide & legal intervention (E960-E978)	—	—	—	—	—	—	2 3.6	2 3.7	—	2 14.1	2 14.1	—
All other external causes (E980-E999)	—	—	—	—	—	—	1 1.8	1 1.9	—	1 7.1	1 7.1	—

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1991

Estimated Population, July 1, 1981	HAMBLÉN			HAMILTON			HANCOCK			HARDEMAN		
	ALL RACES 50,349 No. Rate	WHITE 47,817 No. Rate	OTHER RACES 2,532 No. Rate	ALL RACES 288,318 No. Rate	WHITE 230,633 No. Rate	OTHER RACES 57,685 No. Rate	ALL RACES 6,905 No. Rate	WHITE 6,851 No. Rate	OTHER RACES 54 No. Rate	ALL RACES 23,796 No. Rate	WHITE 15,172 No. Rate	OTHER RACES 8,624 No. Rate
LIVE BIRTHS	632 12.6	599 12.5	33 13.0	4,175 14.5	3,132 13.6	1,042 18.1	81 11.7	81 11.8		379 15.9	188 12.4	191 22.1
ILLEGITIMATE BIRTHS	106 16.8	91 15.2	15 45.5	885 21.2	254 8.1	630 60.5	14 17.3	14 17.3		134 35.4	16 8.5	118 61.8
LOW-WEIGHT BIRTHS (Less than 2500 grams)	42 6.6	34 5.7	8 24.2	320 7.7	179 5.7	140 13.4	6 7.4	6 7.4		32 8.4	13 6.9	19 9.9
INFANT DEATHS (Under one year of age)	12 19.0	12 20.0		55 13.2	38 12.1	17 16.3	2 24.7	2 24.7		2 5.3		2 10.5
Neonatal Deaths (Under 28 days of age)	8 12.7	8 13.4		33 7.9	22 7.0	11 10.6	2 24.7	2 24.7		1 2.6		1 5.2
Under 7 days of age	8	8		27	17	10	2	2		1		1
7-27 days of age				6	5	1						
MATERNAL DEATHS (ICD codes 630-676)				1 2.4	1 3.2							
FETAL DEATHS	5 7.9	4 6.7	1 30.3	33 7.9	20 6.4	13 12.5	1 12.3	1 12.3		4 10.6	2 10.6	2 10.5
INDUCED ABORTIONS	152 240.5	131 218.7	21 636.4	1,251 299.6	858 273.9	393 377.2	5 61.7	5 61.7		57 150.4	34 180.9	23 120.4
TOTAL DEATHS	418 8.3	392 8.2	26 10.3	2,596 9.0	2,024 8.6	571 9.9	70 10.1	69 10.1	1 18.5	217 9.1	144 9.5	73 8.5
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	2 4.0	2 4.2		8 2.8	5 2.2	3 5.2				1 4.2		1 11.6
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)				1 0.3		1 1.7						
Septicemia (038)				13 4.5	7 3.0	6 10.4				1 4.2		1 11.6
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)				1 0.3	1 0.4							
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	2 4.0	2 4.2		5 1.7	5 2.2							
Malignant neoplasms (140-208)	74 147.0	67 140.1	7	588 203.9	476 206.4	112 194.2	11 159.3	11 160.6		34 142.9	23 151.6	11 127.6
Lip, oral cavity & pharynx (140-149)	3 6.0	3 6.3		17 5.9	15 6.5	2 3.5						
Digestive organs & peritoneum (150-159)	21 41.7	18 37.6	3	140 48.6	105 45.5	35 60.7	3 43.4	3 43.8		13 54.6	10 65.9	3 34.8
Respiratory & intrathoracic organs (160-165)	17 33.8	15 31.4	2	185 64.2	151 65.5	34 58.9	4 57.9	4 58.4		5 21.0	3 19.8	2 23.2
Breast (174-175)	6 11.9	5 10.5	1	49 17.0	39 16.9	10 17.3				2 8.4	1 6.6	1 11.6
Female genital organs (179-184)	7 13.9	7 14.6		42 14.6	38 16.5	4 6.9	1 14.5	1 14.6		3 12.6	1 6.6	2 23.2
Male genital organs (185-187)				25 8.7	19 8.2	6 10.4	1 14.5	1 14.6		2 8.4	1 6.6	1 11.6
Urinary organs (188-189)	5 9.9	5 10.5		28 9.7	20 8.7	8 13.9	1 14.5	1 14.6		1 4.2		1 11.6
Other & unsp. sites (170-173, 190-199)	11 21.8	10 20.9	1	53 18.4	48 20.8	5 8.7	1 14.5	1 14.6		6 25.2	5 33.0	1 11.6
Leukemia (204-208)	2 4.0	2 4.2		23 8.0	20 8.7	3 5.2				1 4.2	1 6.6	
Other lymphatic & hematopoietic tissue (200-203)	2 4.0	2 4.2		26 9.0	21 9.1	5 8.7				1 4.2	1 6.6	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				12 4.2	11 4.8	1 1.7				1 4.2		1 11.6
Diabetes mellitus (250)	10 19.9	8 16.7	2	41 14.2	32 13.9	9 15.6						
Nutritional deficiencies (260-269)	1 2.0	1 2.1		4 1.4	3 1.3	1 1.7						
Anemias (280-285)				6 2.1	2 0.9	4 6.9						
Meningitis (320-322)				2 0.7	2 0.9							
Diseases of heart (390-398, 402, 404-429)	158 313.8	152 317.9	6	1,000 346.8	770 333.9	229 397.0	42 608.3	41 598.5	1	88 369.8	62 408.6	26 301.5
Rheumatic fever & rheumatic heart disease (390-398)				7 2.4	5 2.2	2 3.5						
Hypertensive heart disease (402)	3 6.0	2 4.2	1	23 8.0	16 6.9	7 12.1	1 14.5	1 14.6				
Hypertensive heart & renal disease (404)				3 1.0	2 0.9	1 1.7						
Ischemic heart disease (410-414)	138 274.1	133 278.1	5	843 292.4	648 281.0	194 336.3	38 550.3	37 540.1	1	75 315.2	54 355.9	21 243.5
All other forms of heart disease (415-429)	17 33.8	17 35.6		124 43.0	99 42.9	25 43.3	3 43.4	3 43.8		13 54.6	8 52.7	5 58.0
Hypertension, with or without renal disease (401, 403)				7 2.4	4 1.7	3 5.2				2 8.4	1 6.6	1 11.6
Cerebrovascular disease (430-438)	69 137.0	65 135.9	4	205 71.1	163 70.7	42 72.8	2 29.0	2 29.2		18 75.6	10 65.9	8 92.8
Atherosclerosis (440)	3 6.0	3 6.3		26 9.0	19 8.2	7 12.1				2 8.4	2 13.2	
Other diseases of arteries, arterioles & capillaries (441-445)	2 4.0	2 4.2		27 9.4	23 10.0	4 6.9	1 14.5	1 14.6		1 4.2	1 6.6	
Acute bronchitis & bronchiolitis (466)				5 1.7	3 1.3	2 3.5						
Pneumonia (480-486)	11 21.8	11 23.0		84 29.1	71 30.8	13 22.5	2 29.0	2 29.2		11 46.2	8 52.7	3 34.8
Influenza (487)				2 0.7	2 0.9		1 14.5	1 14.6				
Bronchitis, chronic & unsp. (490-491)	1 2.0	1 2.1		5 1.7	5 2.2							
Emphysema (492)	2 4.0	2 4.2		13 4.5	12 5.2	1 1.7						
Asthma (493)	1 2.0	1 2.1		3 1.0	2 0.9	1 1.7				2 8.4	1 6.6	1 11.6
Other chronic obstructive pulmonary disease & allied conditions (494-496)	8 15.9	7 14.6	1	52 18.0	44 19.1	8 13.9	1 14.5	1 14.6		3 12.6	3 19.8	
Ulcer of stomach & duodenum (531-533)	1 2.0	1 2.1		9 3.1	5 2.2	4 6.9	1 14.5	1 14.6				
Appendicitis (540-543)	3 6.0	3 6.3		2 0.7	2 0.9		1 14.5	1 14.6				
Hernia & intestinal obstruction (550-553, 560)				8 2.8	7 3.0	1 1.7						
Chronic liver disease & cirrhosis (571)	9 17.9	9 18.8		26 9.0	20 8.7	6 10.4						
Cholelithiasis & other disorders of gallbladder (574-575)	1 2.0		1	5 1.7	4 1.7	1 1.7						
Acute glomerulonephritis & nephrotic syndrome (580-581)				2 0.7	1 0.4	1 1.7						
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				7 2.4	3 1.3	4 6.9	1 14.5	1 14.6				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	2 4.0	1 2.1	1	19 6.6	13 5.6	6 10.4				3 12.6	2 13.2	1 11.6
Infections of kidney (590)	1 2.0	1 2.1		3 1.0	2 0.9	1 1.7						
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)				1 2.4	1 3.2							
Congenital anomalies (740-759)	5 9.9	5 10.5		17 5.9	13 5.6	4 6.9	2 29.0	2 29.2				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	2 4.0	2 4.2		12 4.2	9 3.9	3 5.2						
Other conditions originating in the perinatal period (760-766, 770-779)	4 7.9	4 8.4		16 5.5	9 3.9	7 12.1				1 4.2		1 11.6
Symptoms, signs & ill-defined conditions (780-799)	3 6.0	3 6.3		13 4.5	11 4.8	2 3.5				14 58.8	8 52.7	6 69.6
All other diseases	10 19.9	9 18.8	1	135 46.8	95 41.2	40 69.3	2 29.0	2 29.2		15 63.0	9 59.3	6 69.6
Motor vehicle accidents (E810-E825)	14 27.8	12 25.1	2	67 23.2	62 26.9	5 8.7	1 14.5	1 14.6		5 21.0	4 26.4	1 11.6
All other accidents & adverse effects (E800-E807, E826-E949)	8 15.9	8 16.7		72 25.0	57 24.7	15 26.0	2 29.0	2 29.2		5 21.0	4 26.4	1 11.6
Suicide (E950-E959)	7 13.9	7 14.6		36 12.5	30 13.0	6 10.4				4 16.8	3 19.8	1 11.6
Homicide & legal intervention (E960-E978)	4 7.9	3 6.3	1	33 11.4	16 6.9	17 29.5				5 21.0	2 13.2	3 34.8
All other external causes (E980-E999)				3 1.0	2 0.9	1 1.7				1 4.2	1 6.6	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	HARDIN			HAWKINS			HAYWOOD			HENDERSON		
	All Races 22,688 No. Rate	White 21,671 No. Rate	Other Races 1,017 No. Rate	All Races 44,831 No. Rate	White 43,877 No. Rate	Other Races 954 No. Rate	All Races 20,191 No. Rate	White 9,977 No. Rate	Other Races 10,214 No. Rate	All Races 21,843 No. Rate	White 19,924 No. Rate	Other Races 1,919 No. Rate
LIVE BIRTHS	267 11.8	253 11.7	14 13.8	510 11.4	493 11.2	17 17.8	34 17.0	148 14.8	196 19.2	290 13.3	256 12.8	33 17.2
ILLEGITIMATE BIRTHS	31 11.6	24 9.5	7 50.0	42 8.2	34 6.9	8 47.1	119 34.8	15 10.1	104 53.1	45 15.5	27 10.5	18 54.5
LOW-WEIGHT BIRTHS (Less than 2500 grams)	17 6.4	17 6.7		43 8.4	40 8.1	3 17.6	17 4.9	5 3.4	12 6.1	23 7.9	14 5.5	9 27.3
INFANT DEATHS (Under one year of age)	1 3.7	1 4.0		4 7.8	4 8.1		5 14.5	2 13.5	3 15.3	5 17.2	1 3.9	4 121.2
Neonatal Deaths (Under 28 days of age)				4 7.8	4 8.1		4 11.6	2 13.5	2 10.2	3 10.3		3 90.9
Under 7 days of age				4	4		3	1	2	2		2
7-27 days of age							1			1		1
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 3.7		1 71.4	7 13.7	7 14.2		2 5.8	1 6.8	1 5.1	2 6.9	2 7.8	
INDUCED ABORTIONS	59 221.0	54 213.4	5 357.1	105 205.9	97 198.8	7 411.8	46 133.7	25 168.9	21 107.1	48 165.5	32 125.0	16 484.8
TOTAL DEATHS	204 9.0	199 9.2	5 4.9	369 8.2	359 8.2	10 10.5	190 9.4	99 9.9	91 8.9	235 10.8	215 10.8	20 10.4
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)	1 4.4	1 4.6								1 4.6		1
Tuberculosis, all forms (010-018)				1 2.2	1 2.3							
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)	1 4.4	1 4.6										
Septicemia (038)	1 4.4	1 4.6					1 5.0	1 10.0		1 4.6		1
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)							1 5.0	1 10.0				
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				1 2.2	1 2.3							
Malignant neoplasms (140-208)	36 158.7	35 161.5	1	75 167.3	72 164.1	3	32 158.5	11 110.3	21 205.6	47 215.2	44 220.8	3
Lip, oral cavity & pharynx (140-149)				3 6.7	3 6.8					1 4.6	1 5.0	
Digestive organs & peritoneum (150-159)	6 26.4	6 27.7		19 42.4	19 43.3		9 44.6	1 10.0	8 78.3	7 32.0	6 30.1	1
Respiratory & intrathoracic organs (160-165)	12 52.9	12 55.4		24 53.5	23 52.4	1	8 39.6	3 30.1	5 49.0	20 91.6	20 100.4	
Breast (174-175)	4 17.6	4 18.5		6 13.4	6 13.7		1 5.0	3 30.1	1 9.8	3 13.7	3 15.1	
Female genital organs (179-184)	2 8.8	2 9.2		2 4.5	1 2.3	1	3 14.9	1 10.0	2 19.6	4 18.3	4 20.1	
Male genital organs (185-187)	2 8.8	2 9.2		4 8.9	3 6.8	1	3 14.9		3 29.4	2 9.2	2 10.0	
Urinary organs (188-189)				4 8.9	4 9.1		3 14.9	2 20.0	1 9.8	1 4.6	1 5.0	
Other & unsp. sites (170-173, 190-199)	7 30.9	6 27.7	1	9 20.1	9 20.5		3 14.9	2 20.0	1 9.8	6 27.5	5 25.1	1
Leukemia (204-208)	2 8.8	2 9.2		1 2.2	1 2.3		1 5.0	1 10.0		2 9.2	1 5.0	1
Other lymphatic & hematopoietic tissue (200-203)	1 4.4	1 4.6		3 6.7	3 6.8		1 5.0	1 10.0		1 4.6	1 5.0	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)												
Diabetes mellitus (250)	1 4.4	1 4.6		7 15.6	7 16.0		1 5.0		1 9.8	6 27.5	5 25.1	1
Nutritional deficiencies (260-269)												
Anemias (280-285)							1 5.0		1 9.8			
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	81 357.0	79 364.5	2	151 336.8	146 332.7	5	87 430.9	49 491.1	38 372.0	71 325.0	67 336.3	4
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)	1 4.4	1 4.6		2 4.5	2 4.6		6 29.7	4 40.1	2 19.6			
Hypertensive heart & renal disease (404)	1 4.4	1 4.6		2 4.5	2 4.6		3 14.9	1 10.0	2 19.6	1 4.6	1 5.0	
Ischemic heart disease (410-414)	59 260.0	58 267.6	1	122 272.1	118 268.9	4	68 336.8	38 380.9	30 293.7	59 270.1	56 281.1	3
All other forms of heart disease (415-429)	20 88.2	19 87.7	1	25 55.8	24 54.7	1	10 49.5	6 60.1	4 39.2	11 50.4	10 50.2	1
Hypertension, with or without renal disease (401, 403)	2 8.8	2 9.2					2 9.9	1 10.0	1 9.8	4 18.3	4 20.1	
Cerebrovascular disease (430-438)	29 127.8	28 129.2	1	27 60.2	26 59.3	1	17 84.2	12 120.3	5 49.0	52 238.1	49 245.8	3
Atherosclerosis (440)	1 4.4	1 4.6		5 17.8	7 16.0	1	1 5.0		1 9.8	3 13.7	1 5.0	2
Other diseases of arteries, arterioles & capillaries (441-448)				5 11.2	5 11.4		1 5.0		1 9.8	2 9.2	2 10.0	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)				7 15.6	7 16.0		2 9.9	1 10.0	1 9.8	5 22.9	4 20.1	1
Influenza (487)	3 13.2	3 13.8					1 5.0		1 9.8			
Bronchitis, chronic & unsp. (490-491)												
Emphysema (492)	2 8.8	2 9.2		5 11.2	5 11.4							
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	6 26.4	6 27.7		9 20.1	9 20.5		3 14.9	1 10.0	2 19.6	2 9.2	2 10.0	
Ulcer of stomach & duodenum (531-533)				3 6.7	3 6.8		2 9.9	1 10.0	1 9.8			
Appendicitis (540-543)	1 4.4	1 4.6										
Hernia & intestinal obstruction (550-553, 560)				1 2.2	1 2.3							
Chronic liver disease & cirrhosis (571)	1 4.4	1 4.6		5 11.2	5 11.4					1 4.6	1 5.0	
Cholelithiasis & other disorders of gallbladder (574-575)				2 4.5	2 4.6					1 4.6	1 5.0	
Acute glomerulonephritis & nephrotic syndrome (580-581)				1 2.2	1 2.3							
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				4 8.9	4 9.1		2 9.9		2 19.6			
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)							2 9.9	1 10.0	1 9.8	3 13.7	3 15.1	
Infections of kidney (590)				1 2.2	1 2.3					1 4.6	1 5.0	
Hyperplasia of prostate (600)	1 4.4	1 4.6								1 4.6	1 5.0	
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 4.4	1 4.6		1 2.2	1 2.3		1 5.0	1 10.0		2 9.2	1 5.0	1
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)							1 5.0	1 10.0				
Other conditions originating in the perinatal period (760-766, 770-779)				4 8.9	4 9.1		1 5.0		1 9.8	2 9.2		2
Symptoms, signs & ill-defined conditions (780-799)	3 13.2	3 13.8		2 4.5	2 4.6		1 5.0		1 9.8	1 4.6	1 5.0	
All other diseases	14 61.7	13 60.0	1	23 51.3	23 52.4		18 89.1	9 90.2	9 88.1	9 41.2	9 43.2	
Motor vehicle accidents (E810-E825)	2 8.8	2 9.2		9 20.1	9 20.5		4 19.8	3 30.1	1 9.8	9 41.2	8 40.2	1
All other accidents & adverse effects (E800-E807, E826-E849)	6 26.4	6 27.7		8 17.8	8 18.2		5 24.8	4 40.1	1 9.8	4 18.3	4 20.1	
Suicide (E950-E959)	5 22.0	5 23.1		5 11.2	5 11.4		2 9.9	1 10.0	1 9.8	4 18.3	4 20.1	
Homicide & legal intervention (E960-E978)	5 22.0	5 23.1		4 8.9	4 9.1		1 5.0	1 10.0		3 13.7	3 15.1	
All other external causes (E980-E999)	1 4.4	1 4.6										

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	HENRY			HICKMAN			HOUSTON			HUMPHREYS		
	ALL RACES 29,210 No. Rate	WHITE 26,027 No. Rate	OTHER RACES 3,183 No. Rate	ALL RACES 15,509 No. Rate	WHITE 14,855 No. Rate	OTHER RACES 654 No. Rate	ALL RACES 6,950 No. Rate	WHITE 6,614 No. Rate	OTHER RACES 336 No. Rate	ALL RACES 16,199 No. Rate	WHITE 15,514 No. Rate	OTHER RACES 685 No. Rate
LIVE BIRTHS	362 12.4	315 12.1	47 14.8	204 13.2	193 13.2	11 12.9	70 10.1	69 10.4	1 3.0	224 13.8	209 13.5	15 21.9
ILLEGITIMATE BIRTHS	53 14.6	27 8.6	26 53.3	7 3.4	4 2.1	3 27.3	9 12.9	9 13.0		23 10.3	15 7.2	8 53.3
LOW-WEIGHT BIRTHS (Less than 2500 grams)	27 7.5	24 7.6	3 6.4	17 8.3	15 7.8	2 18.2	7 10.0	7 10.1		17 7.6	11 5.3	6 40.0
INFANT DEATHS (Under one year of age)	4 11.0	3 9.5	1 21.3	1 4.9	1 5.2		1 14.3	1 14.5		1 4.5	1 4.8	
Neonatal Deaths (Under 28 days of age)	1 2.8	1 3.2					1 14.3	1 14.5		1 4.5	1 4.8	
Under 7 days of age	1	1					1	1		1	1	
7-27 days of age												
MATERNAL DEATHS (ICD codes 630-676)										1 44.6	1 47.8	
FETAL DEATHS	2 5.5	2 6.3		1 4.9	1 5.2		1 14.3	1 14.5				
INDUCED ABORTIONS	63 174.0	50 158.7	13 276.6	31 152.0	29 150.3	2 181.8	10 142.9	10 144.9		30 133.9	29 138.8	1 66.7
TOTAL DEATHS	345 11.8	303 11.6	42 13.2	153 9.9	145 9.9	8 9.4	85 12.2	80 12.1	5 14.9	152 9.4	146 9.4	6 8.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)	1 3.4		1									
Tuberculosis, all forms (010-018)				1 6.4	1 6.8					1 6.2	1 6.4	
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	2 6.8	2 7.7		3 19.3	2 13.6	1						
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	1 3.4	1 3.8								1 6.2	1 6.4	
Malignant neoplasms (140-208)	67 229.4	54 207.5	13	42 270.8	37 252.5	5	11 158.3	10 151.2	1	29 179.0	27 174.0	2
Lip, oral cavity & pharynx (140-149)							1 14.4	1 15.1		2 12.3	2 12.9	
Digestive organs & peritoneum (150-159)	21 71.9	17 65.3	4	6 38.7	5 34.1	1	1 14.4	1 15.1		6 37.0	5 32.2	1
Respiratory & intrathoracic organs (160-165)	9 30.8	7 26.9	2	14 90.3	12 81.9	2	3 43.2	3 45.4		12 74.1	11 70.9	1
Breast (174-175)	7 24.0	6 23.1	1	2 12.9	2 13.6					1 6.2	1 6.4	
Female genital organs (179-184)	1 3.4	1 3.8		1 6.4	1 6.8		1 14.4	1 15.1				
Male genital organs (185-187)	7 24.0	6 23.1	1	4 25.8	3 20.5	1				1 6.2	1 6.4	
Urinary organs (188-189)	1 3.4	1 3.8		6 38.7	6 40.9		1 14.4		1	1 6.2	1 6.4	
Other & unsp. sites (170-173, 190-199)	10 34.2	9 34.6	1	7 45.1	6 40.9	1	2 28.8	2 30.2		3 18.5	3 19.3	
Leukemia (204-208)	2 6.8	2 7.7		1 6.4	1 6.8		2 28.8	2 30.2		1 6.2	1 6.4	
Other lymphatic & hematopoietic tissue (200-203)	9 30.8	5 19.2	4	1 6.4	1 6.8					2 12.3	2 12.9	
Benign neoplasms, carcinomas in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	3 10.3	2 7.7	1	1 6.4	1 6.8					1 6.2	1 6.4	
Diabetes mellitus (250)	9 30.8	8 30.7	1	2 12.9	2 13.6		2 28.8	2 30.2		2 12.3	2 12.9	
Nutritional deficiencies (260-269)												
Anemias (280-285)	1 3.4		1									
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	126 431.4	111 426.5	15	55 354.6	53 361.7	2	34 489.2	32 483.8	2	70 432.1	69 444.8	1
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)	4 13.7	4 15.4					1 14.4	1 15.1				
Hypertensive heart & renal disease (404)	1 3.4	1 3.8										
Ischemic heart disease (410-414)	100 342.3	87 334.3	13	39 251.5	37 252.5	2	24 345.3	23 347.7	1	43 265.4	42 270.7	1
All other forms of heart disease (415-429)	21 71.9	19 73.0	2	16 103.2	16 109.2		9 129.5	8 121.0	1	27 166.7	27 174.0	
Hypertension, with or without renal disease (401, 403)	1 3.4	1 3.8		1 6.4	1 6.8		1 14.4	1 15.1				
Cerebrovascular disease (430-438)	41 140.4	39 149.8	4	8 51.6	8 54.6		10 143.9	9 136.1	1	5 30.9	5 32.2	
Atherosclerosis (440)	6 20.5	6 23.1		1 6.4	1 6.8		1 14.4	1 15.1		1 6.2	1 6.4	
Other diseases of arteries, arterioles & capillaries (441-448)	3 10.3	3 11.5		1 6.4	1 6.8							
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	14 47.9	11 42.3	3	6 38.7	6 40.9		5 71.9	4 60.5	1	2 12.3	2 12.9	
Influenza (487)												
Bronchitis, chronic & unsp. (490-491)	1 3.4	1 3.8										
Emphysema (492)	3 10.3	3 11.5					1 14.4	1 15.1		3 18.5	3 19.3	
Asthma (493)	1 3.4	1 3.8										
Other chronic obstructive pulmonary disease & allied conditions (494-496)	5 17.1	5 19.2		2 12.9	2 13.6		4 57.6	4 60.5		2 12.3	2 12.9	
Ulcer of stomach & duodenum (531-533)										1 6.2		1
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							1 14.4	1 15.1		3 18.5	3 19.3	
Chronic liver disease & cirrhosis (571)	4 13.7	4 15.4		1 6.4	1 6.8		1 14.4	1 15.1				
Cholelithiasis & other disorders of gallbladder (574-575)										2 12.3	2 12.9	
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				2 12.9	2 13.6					2 12.3	2 12.9	
Infections of kidney (590)	4 13.7	3 11.5	1									
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)										1 44.6	1 47.8	
Congenital anomalies (740-759)	1 3.4	1 3.8		2 12.9	2 13.6		1 14.4	1 15.1		1 6.2	1 6.4	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 3.4	1 3.8								1 6.2	1 6.4	
Other conditions originating in the perinatal period (760-766, 770-779)												
Symptoms, signs & ill-defined conditions (780-799)	2 6.8	2 7.7		2 12.9	2 13.6							
All other diseases	22 75.3	19 73.0	3	14 90.3	14 95.5		5 71.9	5 75.6		6 37.0	6 38.7	
Motor vehicle accidents (E810-E825)	7 24.0	7 26.9		3 19.3	3 20.5		6 86.3	6 90.7		8 49.4	7 45.1	1
All other accidents & adverse effects (E800-E807, E826-E849)	10 34.2	9 34.6	1	2 12.9	2 13.6		2 28.8	2 30.2		5 30.9	4 25.8	1
Suicide (E950-E959)	9 30.8	9 34.6		1 6.4	1 6.8					3 18.5	3 19.3	
Homicide & legal intervention (E960-E978)				3 19.3	3 20.5					1 6.2	1 6.4	
All other external causes (E980-E999)										1 6.2	1 6.4	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	JACKSON			JEFFERSON			JOHNSON			KNOX		
	ALL RACES 9,548 No. Rate	WHITE 9,517 No. Rate	OTHER RACES 31 No. Rate	ALL RACES 31,702 No. Rate	WHITE 30,683 No. Rate	OTHER RACES 1,019 No. Rate	ALL RACES 13,922 No. Rate	WHITE 13,801 No. Rate	OTHER RACES 121 No. Rate	ALL RACES 320,385 No. Rate	WHITE 289,404 No. Rate	OTHER RACES 30,981 No. Rate
LIVE BIRTHS	130 13.6	130 13.7		359 11.3	352 11.5	7 6.9	144 10.3	144 10.4		4,327 13.5	3,685 12.7	641 20.7
ILLEGITIMATE BIRTHS	10 7.7	10 7.7		47 13.1	42 11.9	5	17 11.8	17 11.8		727 16.8	364 9.9	363 56.6
LOW-WEIGHT BIRTHS (Less than 2500 grams)	7 5.4	7 5.4		20 5.6	19 5.4	1	10 6.9	10 6.9		286 6.7	202 5.5	85 13.3
INFANT DEATHS (Under one year of age)	1 7.7	1 7.7		1 2.8	1 2.8		2 13.9	2 13.9		46 10.6	35 9.5	11 17.2
Neonatal Deaths (Under 28 days of age)	1 7.7	1 7.7					1 6.9	1 6.9		31 7.2	23 6.2	8 12.5
Under 7 days of age	1	1					1	1		24	20	4
7-27 days of age										7	3	4
MATERNAL DEATHS (ICD codes 630-676)										1 2.3	1 2.7	
FETAL DEATHS				3 8.4	3 8.5		1 6.9	1 6.9		43 9.9	34 9.2	9 14.0
INDUCED ABORTIONS	5 38.5	5 38.5		96 267.4	90 255.7	6	13 90.3	13 90.3		2,121 490.2	1,809 490.9	309 482.1
TOTAL DEATHS	91 9.5	91 9.6		264 8.3	259 8.4	5 4.9	133 9.6	133 9.6	1 8.3	2,872 9.0	2,557 8.8	315 10.2
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	1 10.5	1 10.5		2 6.3	2 6.5							
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				2 6.3	2 6.5		1 7.2	1 7.2		5 2.5	8 2.8	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)										1 0.3	1 0.3	
Measles (055)												
Viral hepatitis (070)				1 3.2	1 3.3					1 0.3	1 0.3	
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)										3 0.9	3 1.0	
Malignant neoplasms (140-208)	11 115.2	11 115.6		57 179.8	57 185.8		22 158.0	22 159.4		584 182.3	527 182.1	57 184.0
Lip, oral cavity & pharynx (140-149)				1 3.2	1 3.3		1 7.2	1 7.2		16 5.0	13 4.5	3 9.7
Digestive organs & peritoneum (150-159)	1 10.5	1 10.5		17 53.6	17 55.4		5 35.9	5 36.2		127 39.6	111 38.4	16 51.6
Respiratory & intrathoracic organs (160-165)	3 31.4	3 31.5		16 50.5	16 52.1		8 57.5	8 58.0		185 57.7	167 57.7	18 58.1
Breast (174-175)	2 20.9	2 21.0		7 22.1	7 22.8		1 7.2	1 7.2		52 16.2	49 16.9	3 9.7
Female genital organs (179-184)	1 10.5	1 10.5		3 9.5	3 9.8					30 9.4	26 9.0	4 12.9
Male genital organs (185-187)				1 3.2	1 3.3					37 11.5	31 10.7	6 19.4
Urinary organs (188-189)										16 5.0	15 5.2	1 3.2
Other & unsp. sites (170-173, 190-199)	2 20.9	2 21.0		5 15.8	5 16.3		5 35.9	5 36.2		62 19.4	58 20.0	4 12.9
Leukemia (204-208)	1 10.5	1 10.5		2 6.3	2 6.5		1 7.2	1 7.2		25 7.8	24 8.3	1 3.2
Other lymphatic & hematopoietic tissue (200-203)	1 10.5	1 10.5		5 15.8	5 16.3		1 7.2	1 7.2		34 10.6	33 11.4	1 3.2
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 3.2	1 3.3		1 7.2	1 7.2		7 2.2	6 2.1	1 3.2
Diabetes mellitus (250)	1 10.5	1 10.5		5 15.8	4 13.0	1				40 12.5	35 12.1	5 16.1
Nutritional deficiencies (260-269)				4 12.6	4 13.0					5 1.6	5 1.7	
Anemias (280-285)										2 0.6		2 6.5
Meningitis (320-322)				1 3.2	1 3.3					1 0.3	1 0.3	
Diseases of heart (390-398, 402, 404-429)	43 450.4	43 451.8		84 265.0	82 267.2	2	59 423.8	58 420.3	1	1,076 335.8	970 335.2	106 342.1
Rheumatic fever & rheumatic heart disease (390-398)				1 3.2	1 3.3		1 7.2	1 7.2		5 1.6	5 1.7	
Hypertensive heart disease (402)				1 3.2	1 3.3					34 10.6	18 6.2	16 51.6
Hypertensive heart & renal disease (404)				1 3.2	1 3.3					2 0.6	1 0.3	1 3.2
Ischemic heart disease (410-414)	42 439.9	42 441.3		72 227.1	72 234.7		43 308.9	43 311.6		800 249.7	745 257.4	55 177.5
All other forms of heart disease (415-429)	1 10.5	1 10.5		9 28.4	7 22.8	2	15 107.7	14 101.4	1	235 73.3	201 69.5	34 109.7
Hypertension, with or without renal disease (401, 403)				1 3.2	1 3.3					13 4.1	7 2.4	6 19.4
Cerebrovascular disease (430-438)	11 115.2	11 115.6		25 78.9	25 81.5		10 71.8	10 72.5		271 84.6	236 81.5	35 113.0
Atherosclerosis (440)	5 52.4	5 52.5		6 18.9	6 19.6					38 11.9	32 11.1	6 19.4
Other diseases of arteries, arterioles & capillaries (441-448)	1 10.5	1 10.5		2 6.3	2 6.5					25 7.8	24 8.3	1 3.2
Acute bronchitis & bronchiolitis (466)										1 0.3	1 0.3	
Pneumonia (480-486)	2 20.9	2 21.0		9 28.4	9 29.3		10 71.8	10 72.5		61 19.0	57 19.7	4 12.9
Influenza (487)	1 10.5	1 10.5		1 3.2	1 3.3					10 3.1	9 3.1	1 3.2
Bronchitis, chronic & unsp. (490-491)	1 10.5	1 10.5								11 3.4	11 3.8	
Emphysema (492)				2 6.3	2 6.5					26 8.1	25 8.6	1 3.2
Asthma (493)										3 0.9	2 0.7	1 3.2
Other chronic obstructive pulmonary disease & allied conditions (494-496)				5 15.8	4 13.0	1	5 35.9	5 36.2		59 18.4	54 18.7	5 16.1
Ulcer of stomach & duodenum (531-533)	4 41.9	4 42.0		1 3.2	1 3.3					9 2.8	8 2.8	1 3.2
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)				2 6.3	2 6.5		1 7.2	1 7.2		3 0.9	3 1.0	
Cholelithiasis & other disorders of gallbladder (574-575)							1 7.2	1 7.2		31 9.7	28 9.7	3 9.7
Acute glomerulonephritis & nephrotic syndrome (580-581)				1 3.2	1 3.3					9 2.8	8 2.8	1 3.2
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)										1 0.3	1 0.3	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 10.5	1 10.5		2 6.3	2 6.5		2 14.4	2 14.5		14 4.4	11 3.8	3 9.7
Infections of kidney (590)												
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)										1 2.3	1 2.7	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 10.5	1 10.5								18 5.6	15 5.2	3 9.7
Other conditions originating in the perinatal period (760-766, 770-779)							1 7.2	1 7.2		12 3.7	10 3.5	2 6.5
Symptoms, signs & ill-defined conditions (780-799)				13 41.0	13 42.4					161 50.3	135 46.6	26 83.9
All other diseases	4 41.9	4 42.0		15 47.3	15 48.9		12 86.2	12 87.0		163 50.9	147 50.8	16 51.6
Motor vehicle accidents (E810-E825)	1 10.5	1 10.5		9 28.4	9 29.3		1 7.2	1 7.2		66 20.6	61 21.1	5 16.1
All other accidents & adverse effects (E800-E807, E826-E949)	2 20.9	2 21.0		7 22.1	7 22.8		4 28.7	4 29.0		53 16.5	50 17.3	3 9.7
Suicide (E950-E959)	1 10.5	1 10.5		3 9.5	3 9.8		2 14.4	2 14.5		35 10.9	32 11.1	3 9.7
Homicide & legal intervention (E960-E978)				3 9.5	2 6.5	1	1 7.2	1 7.2		33 10.3	21 7.3	12 38.7
All other external causes (E980-E999)										3 0.9	2 0.7	1 3.2

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	LAKE			LAUDERDALE			LAWRENCE			LEWIS		
	ALL RACES 7,381 No. Rate	WHITE 5,997 No. Rate	OTHER RACES 1,384 No. Rate	ALL RACES 24,946 No. Rate	WHITE 17,209 No. Rate	OTHER RACES 7,737 No. Rate	ALL RACES 34,601 No. Rate	WHITE 34,004 No. Rate	OTHER RACES 597 No. Rate	ALL RACES 10,097 No. Rate	WHITE 9,855 No. Rate	OTHER RACES 242 No. Rate
LIVE BIRTHS	84 11.4	62 10.3	22 15.9	390 15.6	214 12.4	176 22.7	478 13.8	472 13.9	6 10.1	135 13.4	131 13.3	4 16.5
ILLEGITIMATE BIRTHS	27 32.1	7 11.3	20 90.9	128 32.8	19 8.9	109 61.9	37 7.7	33 7.0	4	16 11.9	16 12.2	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	4 4.8	2 3.2	2 9.1	41 10.5	12 5.6	29 16.5	26 5.4	26 5.5		7 5.2	7 5.3	
INFANT DEATHS (Under one year of age)	1 11.9		1 45.5	7 17.9		7 39.8	3 6.3	3 6.4				
Neonatal Deaths (Under 28 days of age)				6 15.4		6 34.1	1 2.1	1 2.1				
Under 7 days of age				5		5	1	1				
7-27 days of age				1		1						
MATERNAL DEATHS (ICD codes 630-676)				1 25.6		1 56.8						
FETAL DEATHS	2 23.8		2 90.9	1 2.6	1 4.7		5 10.5	4 8.5	1			
INDUCED ABORTIONS	13 154.8	13 209.7		62 159.0	42 196.3	20 113.6	41 85.8	41 86.9		12 88.9	11 84.0	1
TOTAL DEATHS	94 12.7	79 13.2	15 10.8	281 11.3	168 9.8	113 14.6	349 10.1	336 9.9	13 21.8	73 7.2	73 7.4	
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	1 13.5	1 16.7										
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)				1 4.0	1 5.8							
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)												
Malignant neoplasms (140-208)	16 216.8	14 233.5	2	63 252.5	40 232.4	23 297.3	91 263.0	90 264.7	1	30 297.1	30 304.4	
Lip, oral cavity & pharynx (140-149)				1 4.0	1 5.8							
Digestive organs & peritoneum (150-159)	2 27.1	2 33.4		17 68.1	11 63.9	6 77.5	20 57.8	19 55.9	1	6 59.4	6 60.9	
Respiratory & intrathoracic organs (160-165)	2 27.1	2 33.4		20 80.2	12 69.7	8 103.4	28 80.9	28 82.3		6 59.4	6 60.9	
Breast (174-175)	1 13.5	1 16.7		5 20.0	2 11.6	3 38.8	7 20.2	7 20.6		4 39.6	4 40.6	
Female genital organs (179-184)	1 13.5	1 16.7		1 4.0		1 12.9	5 14.5	5 14.7		5 49.5	5 50.7	
Male genital organs (185-187)				3 12.0	1 5.8	2 25.8	5 14.5	5 14.7		3 29.7	3 30.4	
Urinary organs (188-189)	1 13.5	1 16.7		2 8.0	2 11.6		3 8.7	3 8.8		4 39.6	4 40.6	
Other & unsp. sites (170-173, 190-199)	8 108.4	6 100.1	2	10 40.1	8 46.5	2 25.8	13 37.6	13 38.2		1 9.9	1 10.1	
Leukemia (204-208)				2 8.0	2 11.6		3 8.7	3 8.8				
Other lymphatic & hematopoietic tissue (200-203)	1 13.5	1 16.7		2 8.0	1 5.8	1 12.9	7 20.2	7 20.6		1 9.9	1 10.1	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 4.0		1 12.9	1 2.9	1 2.9				
Diabetes mellitus (250)	1 13.5		1	3 12.0	1 5.8	2 25.8	4 11.6	4 11.8				
Nutritional deficiencies (260-269)				1 4.0		1 12.9						
Anemias (280-285)												
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	21 284.5	20 333.5	1	104 416.9	64 371.9	40 517.0	147 424.8	141 414.7	6	22 217.9	22 223.2	
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)	1 13.5		1	11 44.1	5 29.1	6 77.5				1 9.9	1 10.1	
Hypertensive heart & renal disease (404)				1 4.0		1 12.9						
Ischemic heart disease (410-414)	18 243.9	18 300.2		82 328.7	55 319.6	27 349.0	119 343.9	113 332.3	6	18 178.3	18 182.6	
All other forms of heart disease (415-429)	2 27.1	2 33.4		10 40.1	4 23.2	6 77.5	28 80.9	28 82.3		3 29.7	3 30.4	
Hypertension, with or without renal disease (401, 403)	1 13.5	1 16.7		1 4.0	1 5.8		3 8.7	2 5.9	1			
Cerebrovascular disease (430-438)	10 135.5	7 116.7	3	31 124.3	18 104.6	13 168.0	26 75.1	25 73.5	1	6 59.4	6 60.9	
Atherosclerosis (440)	2 27.1	1 16.7	1	5 20.0	4 23.2	1 12.9				1 9.9	1 10.1	
Other diseases of arteries, arterioles & capillaries (441-448)	2 27.1	2 33.4					1 2.9	1 2.9		1 9.9	1 10.1	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	3 40.6	3 50.0		5 20.0	4 23.2	1 12.9	11 31.8	10 29.4	1			
Influenza (487)				1 4.0	1 5.8		3 8.7	3 8.8				
Bronchitis, chronic & unsp. (490-491)							1 2.9	1 2.9		1 9.9	1 10.1	
Emphysema (492)	1 13.5	1 16.7		2 8.0	1 5.8	1 12.9	2 5.8	2 5.9		3 29.7	3 30.4	
Asthma (493)							1 2.9	1 2.9				
Other chronic obstructive pulmonary disease & allied conditions (494-496)	1 13.5	1 16.7		9 36.1	8 46.5	1 12.9	6 17.3	6 17.6		2 19.8	2 20.3	
Ulcer of stomach & duodenum (531-533)												
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	2 27.1	2 33.4		5 20.0	4 23.2	1 12.9	1 2.9	1 2.9				
Cholelithiasis & other disorders of gallbladder (574-575)							1 2.9	1 2.9				
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 13.5	1 16.7		1 4.0		1 12.9						
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				3 12.0	1 5.8	2 25.8	3 8.7	3 8.8				
Infections of kidney (590)				1 4.0		1 12.9						
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)				1 25.6		1 56.8						
Congenital anomalies (740-759)	1 13.5		1				1 2.9	1 2.9				
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)				5 20.0		5 64.6						
Symptoms, signs & ill-defined conditions (780-799)	19 257.4	15 250.1	4	5 20.0	2 11.6	3 38.8	1 2.9	1 2.9		3 29.7	3 30.4	
All other diseases	7 94.8	5 83.4	2	15 60.1	10 58.1	5 64.6	16 46.2	14 41.2	2			
Motor vehicle accidents (E810-E825)	2 27.1	2 33.4		5 20.0	3 17.4	2 25.8	9 26.0	9 26.5		2 19.8	2 20.3	
All other accidents & adverse effects (E800-E807, E826-E949)	1 13.5	1 16.7		9 36.1	4 23.2	5 64.6	7 20.2	7 20.6		2 19.8	2 20.3	
Suicide (E950-E959)	1 13.5	1 16.7		3 12.0	1 5.8	2 25.8	8 23.1	8 23.5				
Homicide & legal intervention (E960-E978)	1 13.5	1 16.7		1 4.0		1 12.9	5 14.5	4 11.8	1			
All other external causes (E980-E999)												

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	LINCOLN			LOUDON			MCMINN			MCNAIRY		
	All Races 26,606 No. Rate	White 23,947 No. Rate	Other Races 2,659 No. Rate	All Races 28,988 No. Rate	White 26,499 No. Rate	Other Races 489 No. Rate	All Races 42,400 No. Rate	White 40,149 No. Rate	Other Races 2,251 No. Rate	All Races 22,970 No. Rate	White 21,478 No. Rate	Other Races 1,492 No. Rate
LIVE BIRTHS	336 12.6	307 12.8	29 10.9	337 11.6	329 11.5	8 16.4	560 13.2	520 13.0	40 17.8	282 12.3	250 11.6	32 21.4
ILLEGITIMATE BIRTHS	29 8.6	15 4.9	14 48.3	34 10.1	30 9.1	4	57 10.2	43 8.3	14 35.0	37 13.1	16 6.4	21 65.6
LOW-WEIGHT BIRTHS (Less than 2500 grams)	20 6.0	13 4.2	7 24.1	22 6.5	21 6.4	1	51 9.1	48 9.2	3 7.5	15 5.3	13 5.2	2 6.2
INFANT DEATHS (Under one year of age)	3 8.9	3 9.8		6 17.8	6 18.2		8 14.3	8 15.4		3 10.6	2 8.0	1 31.2
Neonatal Deaths (Under 28 days of age)	1 3.0	1 3.3		6 17.8	6 18.2		6 10.7	6 11.5		2 7.1	1 4.0	1 31.2
Under 7 days of age	1	1		5	5		4	4		1	1	
7-27 days of age				1	1		2	2		1		1
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 3.0	1 3.3		3 8.9	3 9.1		7 12.5	7 13.5		6 21.3	6 24.0	
INDUCED ABORTIONS	5 14.9	5 16.3		95 281.9	92 279.6	3	109 194.6	97 186.5	12 300.0	37 131.2	35 140.0	2 62.5
TOTAL DEATHS	297 11.2	264 11.0	33 12.4	316 10.9	310 10.9	6 12.3	409 9.6	387 9.6	22 9.8	212 9.2	195 9.1	17 11.4
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	2 7.5	2 8.4		1 3.4	1 3.5		1 2.4	1 2.5				
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)	1 3.8	1 4.2										
Septicemia (038)	3 11.3	3 12.5					3 7.1	3 7.5				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				1 3.4	1 3.5		1 2.4	1 2.5				
Malignant neoplasms (140-208)	62 233.0	55 229.7	7	70 241.5	70 245.6		79 186.3	74 184.3	5	43 187.2	41 190.9	2
Lip, oral cavity & pharynx (140-149)				4 13.8	4 14.0		2 4.7	2 5.0		1 4.4	1 4.7	
Digestive organs & peritoneum (150-159)	17 63.9	15 62.6	2	14 48.3	14 49.1		19 44.8	17 42.3	2	11 47.9	11 51.2	
Respiratory & intrathoracic organs (160-165)	15 56.4	15 62.6		16 55.2	16 56.1		24 56.6	23 57.3	1	7 30.5	7 32.6	
Breast (174-175)	5 18.8	3 12.5	2	8 27.6	8 28.1		6 14.2	5 12.5	1	7 30.5	7 32.6	
Female genital organs (179-184)	2 7.5	2 8.4		5 17.2	5 17.5		4 9.4	4 10.0		4 17.4	3 14.0	1
Male genital organs (185-187)	6 22.6	4 16.7	2	2 6.9	2 7.0		7 16.5	7 17.4		3 13.1	3 14.0	
Urinary organs (188-189)	5 18.8	5 20.9		4 13.8	4 14.0		3 7.1	3 7.5		1 4.4	1 4.7	
Other & unsp. sites (170-173, 190-199)	4 15.0	4 16.7		9 31.0	9 31.6		8 18.9	7 17.4	1	5 21.8	5 23.3	
Leukemia (204-208)	4 15.0	3 12.5	1	3 10.3	3 10.5		1 2.4	1 2.5		1 4.4		1
Other lymphatic & hematopoietic tissue (200-203)												
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 3.8	1 4.2					5 11.8	5 12.5		3 13.1	3 14.0	
Diabetes mellitus (250)	5 18.8	4 16.7	1	6 20.7	6 21.1		3 7.1	3 7.5		1 4.4	1 4.7	
Nutritional deficiencies (260-269)				1 3.4	1 3.5		2 4.7	2 5.0				
Anemias (280-285)										1 4.4	1 4.7	
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	103 387.1	90 375.8	13	132 455.4	126 442.1	6	170 400.9	161 401.0	9	92 400.5	88 409.7	4
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)	1 3.8	1 4.2		7 24.1	5 17.5	2	1 2.4	1 2.5		1 4.4		1
Hypertensive heart & renal disease (404)				6 20.7	6 21.1		2 4.7	2 5.0	1			
Ischemic heart disease (410-414)	73 274.4	65 271.4	8	108 372.6	105 368.4	3	150 353.8	144 358.7	6	84 365.7	81 377.1	3
All other forms of heart disease (415-429)	29 109.0	24 100.2	5	11 37.9	10 35.1	1	15 35.4	13 32.4	2	7 30.5	7 32.6	
Hypertension, with or without renal disease (401, 403)				4 13.8	4 14.0		2 4.7	2 5.0		2 8.7	2 9.3	
Cerebrovascular disease (430-438)	39 146.6	36 150.3	3	30 103.5	30 103.3		40 94.3	34 84.7	6	24 104.5	20 93.1	4
Atherosclerosis (440)	1 3.8	1 4.2		3 10.3	3 10.5		5 11.8	5 12.5		2 8.7	2 9.3	
Other diseases of arteries, arterioles & capillaries (441-448)	1 3.8	1 4.2		1 3.4	1 3.5		4 9.4	4 10.0		2 8.7	2 9.3	
Acute bronchitis & bronchiolitis (466)							1 2.4	1 2.5		1 4.4	1 4.7	
Pneumonia (480-486)	14 52.6	13 54.3	1	4 13.8	4 14.0		6 14.2	6 14.9		5 21.8	4 18.6	1
Influenza (487)				2 6.9	2 7.0							
Bronchitis, chronic & unsp. (490-491)							1 2.4	1 2.5				
Emphysema (492)				2 6.9	2 7.0					1 4.4	1 4.7	
Asthma (493)				1 3.4	1 3.5		1 2.4	1 2.5				
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 15.0	4 16.7		4 13.8	4 14.0		6 14.2	5 12.5	1	2 8.7	2 9.3	
Ulcer of stomach & duodenum (531-533)	2 7.5	1 4.2	1	1 3.4	1 3.5					2 8.7	2 9.3	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	4 15.0	4 16.7		2 6.9	2 7.0		2 4.7	2 5.0		1 4.4	1 4.7	
Cholelithiasis & other disorders of gallbladder (574-575)							7 16.5	6 14.9	1			
Acute glomerulonephritis & nephrotic syndrome (580-581)							3 7.1	3 7.5				
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	6 22.6	6 25.1		1 3.4	1 3.5		5 11.8	5 12.5				
Infections of kidney (590)				1 3.4	1 3.5		1 2.4	1 2.5				
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	2 7.5	2 8.4		4 13.8	4 14.0		1 2.4	1 2.5		1 4.4	1 4.7	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				3 10.3	3 10.5							
Other conditions originating in the perinatal period (760-766, 770-779)	1 3.8	1 4.2					1 2.4	1 2.5		1 4.4		1
Symptoms, signs & ill-defined conditions (780-799)	13 48.9	11 45.9	2	1 3.4	1 3.5		9 21.2	9 22.4				
All other diseases	10 37.6	8 33.4	2	13 44.8	13 45.6		21 49.5	21 52.3		11 47.9	10 46.6	1
Motor vehicle accidents (E810-E825)	11 41.3	10 41.8	1	10 34.5	10 35.1		12 28.3	12 29.9		11 47.9	8 37.2	3
All other accidents & adverse effects (E800-E807, E826-E949)	7 26.3	5 20.9	2	9 31.0	9 31.6		8 18.9	8 19.9		5 21.8	5 23.3	
Suicide (E950-E959)	3 11.3	3 12.5		6 20.7	6 21.1		6 14.2	6 14.9		1 4.4	1 4.7	
Homicide & legal intervention (E960-E978)	1 3.8	1 4.2		3 10.3	3 10.5		2 4.7	2 5.0		3 13.1	2 9.3	1
All other external causes (E980-E999)	1 3.8	1 4.2										

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	MACON			MADISON			MARION			MARSHALL		
	ALL RACES 16,143 No. Rate	WHITE 16,056 No. Rate	OTHER RACES 82 No. Rate	ALL RACES 74,703 No. Rate	WHITE 52,415 No. Rate	OTHER RACES 22,288 No. Rate	ALL RACES 24,796 No. Rate	WHITE 23,669 No. Rate	OTHER RACES 1,129 No. Rate	ALL RACES 19,896 No. Rate	WHITE 17,937 No. Rate	OTHER RACES 1,961 No. Rate
LIVE BIRTHS	184 11.4	182 11.3	2 21.7	1,156 15.5	685 13.1	471 21.1	335 13.5	309 13.1	26 23.0	234 11.8	205 11.4	29 14.8
ILLEGITIMATE BIRTHS	17 9.2	17 9.3	.....	322 27.9	54 7.9	268 56.9	52 15.5	40 12.9	12 46.2	39 16.7	26 12.7	13 44.8
LOW-WEIGHT BIRTHS (Less than 2500 grams)	13 7.1	13 7.1	.....	96 8.3	43 6.3	53 11.3	18 5.4	13 4.2	5 19.2	13 5.6	9 4.4	4 13.8
INFANT DEATHS (Under one year of age)	4 21.7	4 22.0	.....	11 9.5	7 10.2	4 8.5	.....	.....	.....	1 4.3	.....	1 34.5
Neonatal Deaths (Under 28 days of age)	3 16.3	3 16.5	.....	6 5.2	5 7.3	1 2.1	.....	.....	.....	.....	.....	.....
Under 7 days of age	2	2	.....	5	4	1	.....	.....	.....	.....	.....	.....
7-27 days of age	1	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....
MATERNAL DEATHS (ICD codes 630-676)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
FETAL DEATHS	.....	.....	.....	10 8.7	3 4.4	7 14.9	.....	.....	.....	.....	.....	.....
INDUCED ABORTIONS	41 222.8	41 225.3	.....	332 287.2	214 312.4	118 250.5	62 185.1	57 184.5	5 192.3	42 179.5	36 175.6	6 206.9
TOTAL DEATHS	150 9.3	150 9.3	.....	699 9.4	492 9.4	207 9.3	232 9.4	219 9.3	13 11.5	223 11.2	203 11.3	20 10.2
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Certain other intestinal infections (007-009)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis, all forms (010-018)	.....	.....	.....	2 2.7	.....	2 9.0	.....	.....	.....	1 5.0	1 5.6	.....
Whooping cough (033)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Streptococcal sore throat, scarlatina & erysipelas (034-035)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meningococcal infection (036)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Septicemia (038)	.....	.....	.....	5 6.7	3 5.7	2 9.0	2 8.1	2 8.4	.....	.....	.....	.....
Acute poliomyelitis (045)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral encephalitis (049.8-049.9, 062-064)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles (055)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral hepatitis (070)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mtn. spotted fever (082.0)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syphilis (090-097)	.....	.....	.....	.....	.....	.....	1 4.0	.....	1	.....	.....	.....
All other infectious & parasitic diseases (remainder of 001-139)	.....	.....	.....	2 2.7	1 1.9	1 4.5	3 12.1	3 12.7	.....	1 5.0	1 5.6	.....
Malignant neoplasms (140-208)	26 161.0	26 161.9	.....	145 194.1	101 192.7	44 197.4	37 149.2	33 139.4	4	49 246.3	45 250.9	4
Lip, oral cavity & pharynx (140-149)	1 6.2	1 6.2	.....	1 1.3	1 1.9	.....	2 8.1	2 8.4	.....	2 10.1	2 11.2	.....
Digestive organs & peritoneum (150-159)	5 31.0	5 31.1	.....	41 54.9	28 53.4	13 58.3	15 60.5	13 54.9	2	17 85.4	16 89.2	1
Respiratory & intrathoracic organs (160-165)	11 69.1	11 68.5	.....	47 62.9	39 74.4	8 35.9	7 28.2	7 29.6	.....	9 45.2	9 50.2	.....
Breast (174-175)	.....	.....	.....	11 14.7	6 11.4	5 22.4	.....	.....	.....	2 10.1	2 11.2	.....
Female genital organs (179-184)	3 18.6	3 18.7	.....	7 9.4	2 3.8	5 22.4	2 8.1	2 8.4	.....	4 20.1	4 22.3	.....
Male genital organs (185-187)	3 18.6	3 18.7	.....	11 14.7	3 5.7	8 35.9	2 8.1	2 8.4	.....	1 5.0	.....	1
Urinary organs (188-189)	.....	.....	.....	4 5.4	3 5.7	1 4.5	5 20.2	4 16.9	1	2 10.1	2 11.2	.....
Other & unsp. sites (170-173, 190-199)	2 12.4	2 12.5	.....	14 18.7	12 22.9	2 9.0	2 8.1	1 4.2	1	8 40.2	7 39.0	1
Leukemia (204-208)	1 6.2	1 6.2	.....	4 5.4	3 5.7	1 4.5	1 4.0	1 4.2	.....	4 20.1	3 16.7	1
Other lymphatic & hematopoietic tissue (200-203)	.....	.....	.....	5 6.7	4 7.6	1 4.5	1 4.0	1 4.2	.....	.....	.....	.....
Benign neoplasms, carcinomas in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 6.2	1 6.2	.....	2 2.7	1 1.9	1 4.5	1 4.0	1 4.2	.....	.....	.....	.....
Diabetes mellitus (250)	4 24.8	4 24.9	.....	9 12.0	6 11.4	3 13.5	3 12.1	3 12.7	.....	6 30.2	5 27.9	1
Nutritional deficiencies (260-269)	.....	.....	.....	2 2.7	1 1.9	1 4.5	.....	.....	.....	2 10.1	2 11.2	.....
Anemias (280-285)	.....	.....	.....	2 2.7	2 3.8	.....	.....	.....	.....	.....	.....	.....
Meningitis (320-322)	.....	.....	.....	1 1.3	.....	1 4.5	.....	.....	.....	.....	.....	.....
Diseases of heart (390-398, 402, 404-429)	57 353.0	57 355.0	.....	218 291.8	159 303.3	59 264.7	88 354.9	84 354.9	4	83 417.1	74 412.6	9
Rheumatic fever & rheumatic heart disease (390-398)	.....	.....	.....	1 1.3	1 1.9	.....	1 4.0	1 4.2	.....	.....	.....	.....
Hypertensive heart disease (402)	1 6.2	1 6.2	.....	6 8.0	5 9.5	1 4.5	2 8.1	2 8.4	.....	2 10.1	2 11.2	.....
Hypertensive heart & renal disease (404)	1 6.2	1 6.2	.....	1 1.3	.....	1 4.5	.....	.....	.....	.....	.....	.....
Ischemic heart disease (410-414)	38 235.3	38 236.7	.....	167 223.6	124 236.6	43 192.9	69 278.2	65 274.6	4	69 346.8	60 334.5	9
All other forms of heart disease (415-429)	17 105.3	17 105.9	.....	43 57.6	29 53.3	14 62.8	16 64.5	16 67.6	.....	12 60.3	12 66.9	.....
Hypertension, with or without renal disease (401, 403)	1 6.2	1 6.2	.....	3 4.0	1 1.9	2 9.0	.....	.....	.....	.....	.....	.....
Cerebrovascular disease (430-438)	10 61.9	10 62.3	.....	104 139.2	71 135.5	33 148.1	19 76.6	19 80.3	.....	25 125.6	24 133.8	1
Atherosclerosis (440)	.....	.....	.....	17 22.8	12 22.9	5 22.4	1 4.0	1 4.2	.....	3 15.1	3 16.7	.....
Other diseases of arteries, arterioles & capillaries (441-448)	1 6.2	1 6.2	.....	9 12.0	9 17.2	.....	.....	.....	.....	.....	.....	.....
Acute bronchitis & bronchiolitis (466)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pneumonia (480-486)	10 61.9	10 62.3	.....	16 21.4	11 21.0	5 22.4	6 24.2	6 25.3	.....	7 35.2	5 27.9	2
Influenza (487)	.....	.....	.....	4 5.4	4 7.6	.....	.....	.....	.....	2 10.1	2 11.2	.....
Bronchitis, chronic & unsp. (490-491)	.....	.....	.....	1 1.3	1 1.9	.....	.....	.....	.....	.....	.....	.....
Emphysema (492)	.....	.....	.....	7 9.4	7 13.4	.....	1 4.0	1 4.2	.....	1 5.0	1 5.6	.....
Asthma (493)	1 6.2	1 6.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other chronic obstructive pulmonary disease & allied conditions (494-496)	1 6.2	1 6.2	.....	13 17.4	6 15.3	5 22.4	3 12.1	3 12.7	.....	3 15.1	3 16.7	.....
Ulcer of stomach & duodenum (531-533)	.....	.....	.....	3 4.0	2 3.8	1 4.5	1 4.0	1 4.2	.....	2 10.1	2 11.2	.....
Appendicitis (540-543)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hernia & intestinal obstruction (550-553, 560)	.....	.....	.....	5 6.7	3 5.7	2 9.0	1 4.0	1 4.2	.....	.....	.....	.....
Chronic liver disease & cirrhosis (571)	.....	.....	.....	4 5.4	3 5.7	1 4.5	1 4.0	1 4.2	.....	1 5.0	1 5.6	.....
Cholelithiasis & other disorders of gallbladder (574-575)	1 6.2	1 6.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Acute glomerulonephritis & nephrotic syndrome (580-581)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 6.2	1 6.2	.....	2 2.7	2 3.8	.....	.....	.....	.....	1 5.0	1 5.6	.....
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 6.2	1 6.2	.....	9 12.0	9 17.2	.....	3 12.1	3 12.7	.....	4 20.1	4 22.3	.....
Infections of kidney (590)	.....	.....	.....	1 1.3	1 1.9	.....	.....	.....	.....	1 5.0	1 5.6	.....
Hyperplasia of prostate (600)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Complications of pregnancy, childbirth & the puerperium (630-676)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congenital anomalies (740-759)	2 12.4	2 12.5	.....	1 1.3	1 1.9	.....	3 12.1	3 12.7	.....	1 5.0	1 5.6	.....
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	.....	.....	.....	1 1.3	1 1.9	.....	.....	.....	.....	.....	.....	.....
Other conditions originating in the perinatal period (760-766, 770-779)	1 6.2	1 6.2	.....	4 5.4	3 5.7	1 4.5	.....	.....	.....	.....	.....	.....
Symptoms, signs & ill-defined conditions (780-799)	7 43.3	7 43.6	.....	8 10.7	2 3.8	6 26.9	6 24.2	6 25.3	.....	1 5.0	.....	1
All other diseases	9 55.7	9 56.1	.....	44 58.9	28 53.4	16 71.8	13 52.4	13 54.9	.....	10 50.3	9 50.2	1
Motor vehicle accidents (E810-E825)	3 18.6	3 18.7	.....	22 29.4	18 34.3	4 17.9	9 36.3	7 29.6	2	8 40.2	8 44.6	.....
All other accidents & adverse effects (E800-E807, E826-E949)	9 55.7	9 56.1	.....	20 26.8	13 24.8	7 31.4	18 72.6	16 67.6	2	9 45.2	9 50.2	.....
Suicide (E950-E959)	4 24.8	4 24.9	.....	2 2.7	2 3.8	.....	3 20.2	3 21.1	.....	1 5.0	1 5.6	.....
Homicide & legal intervention (E960-E978)	.....	.....	.....	11 14.7	6 11.4	5 22.4	3 12.1	3 12.7	.....	1 5.0	.....	1
All other external causes (E980-E999)	.....	.....	.....	.....	.....	.....	4 16.1	4 16.9	.....	.....	.....	.....

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	MAURY			MEigs			MONROE			MONTGOMERY		
	ALL RACES 51,718 No. Rate	WHITE 43,244 No. Rate	OTHER RACES 8,474 No. Rate	ALL RACES 7,723 No. Rate	WHITE 7,571 No. Rate	OTHER RACES 152 No. Rate	ALL RACES 29,117 No. Rate	WHITE 28,177 No. Rate	OTHER RACES 940 No. Rate	ALL RACES 85,219 No. Rate	WHITE 67,965 No. Rate	OTHER RACES 17,254 No. Rate
LIVE BIRTHS	713 13.8	575 13.3	138 16.3	101 13.1	99 13.1	2 13.2	382 13.1	384 12.9	18 19.1	1,741 20.4	1,357 20.0	384 22.3
ILLEGITIMATE BIRTHS	150 21.0	60 10.4	90 65.2	13 12.9	13 13.1		47 12.3	39 10.7	8 44.4	185 10.6	65 4.8	120 31.2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	48 6.7	35 6.1	13 9.4	4 4.0	4 4.0		29 7.6	26 7.1	3 16.7	126 7.2	78 5.7	48 12.5
INFANT DEATHS (Under one year of age)	3 4.2	3 5.2		1 9.9	1 10.1		13 34.0	10 27.5	3 166.7	17 9.8	11 8.1	6 15.6
Neonatal Deaths (Under 28 days of age)	2 2.8	2 3.5					7 18.3	6 16.5	1 55.6	12 6.9	6 4.4	6 15.6
Under 7 days of age	2	2					6	5	1	11	5	6
7-27 days of age							1	1		1	1	
MATERNAL DEATHS (ICD codes 630-676)										1 5.7	1 7.4	
FETAL DEATHS	4 5.6	4 7.0		1 9.9	1 10.1		3 7.9	3 8.2		20 11.5	15 11.1	5 13.0
INDUCED ABORTIONS	141 197.8	102 177.4	39 282.6	24 237.6	24 242.4		78 204.2	70 192.3	8 444.4	339 194.7	252 185.7	86 224.0
TOTAL DEATHS	524 10.1	413 9.6	111 13.1	65 8.4	65 8.6		257 8.8	245 8.7	12 12.8	503 5.9	399 5.9	104 6.0
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 008)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-015)	1 1.9		1 11.8							1 1.2	1 1.5	
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	1 1.9	1 2.3		1 12.9	1 13.2		1 3.4	1 3.5		3 3.5	1 1.5	2 11.6
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)										1 1.2		1 5.8
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				1 12.9	1 13.2		1 3.4	1 3.5		1 1.2	1 1.5	
Malignant neoplasms (140-208)	90 174.0	69 159.6	21 247.8	15 194.2	15 198.1		43 147.7	40 142.0	3	97 113.8	81 119.2	16 92.7
Lip, oral cavity & pharynx (140-149)	1 1.9		1 11.8				1 3.4	1 3.5		2 2.3	2 2.9	
Digestive organs & peritoneum (150-159)	14 27.1	9 20.8	5 59.0	4 51.8	4 52.8		14 48.1	11 39.0	3	27 31.7	22 32.4	5 29.0
Respiratory & intrathoracic organs (160-165)	24 46.4	18 41.6	6 70.8	3 38.8	3 39.6		5 17.2	5 17.7		21 24.6	18 26.5	3 17.4
Breast (174-175)	10 19.3	9 20.8	1 11.8	1 12.9	1 13.2		2 6.9	2 7.1		11 12.9	10 14.7	1 5.8
Female genital organs (180-184)	7 13.5	6 13.9	1 11.8	1 12.9	1 13.2		3 10.3	3 10.6		5 5.9	5 7.4	
Male genital organs (185-187)	9 17.4	6 13.9	3 35.4	2 25.9	2 26.4		3 10.3	3 10.6		6 7.0	5 7.4	1 5.8
Urinary organs (188-189)	3 5.8	2 4.6	1 11.8	1 12.9	1 13.2		3 10.3	3 10.6		6 7.0	3 4.4	3 17.4
Other & unsp. sites (170-173, 190-199)	17 32.9	14 32.4	3 35.4	2 25.9	2 26.4		7 24.0	7 24.8		11 12.9	9 13.2	2 11.6
Leukemia (204-208)	2 3.9	2 4.6					3 10.3	3 10.6		5 5.9	4 5.9	1 5.8
Other lymphatic & hematopoietic tissue (200-203)	3 5.8	3 6.9		1 12.9	1 13.2		2 6.9	7.1		3 3.5	3 4.4	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	3 5.8	3 6.9								3 3.5	2 2.9	1 5.8
Diabetes mellitus (250)	9 17.4	3 6.9	6 70.8	2 25.9	2 26.4		4 13.7	14.2		6 7.0	1 1.5	5 29.0
Nutritional deficiencies (260-269)							1 3.4	1 3.5		2 2.3	1 1.5	1 5.8
Anemias (280-285)	1 1.9	1 2.3					1 3.4	1 3.5		1 1.2	1 1.5	
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	197 380.9	154 356.1	43 507.4	23 297.8	23 303.8		85 291.9	81 287.5	4	162 190.1	134 197.2	28 162.3
Rheumatic fever & rheumatic heart disease (390-398)	2 3.9	2 4.6								1 1.2	1 1.5	
Hypertensive heart disease (402)	6 11.6	5 11.6	1 11.8							1 1.2	1 1.5	
Hypertensive heart & renal disease (404)	2 3.9	1 2.3	1 11.8				1 3.4	1 3.5		2 2.3	1 1.5	1 5.8
Ischemic heart disease (410-414)	149 288.1	117 270.6	32 377.6	17 220.1	17 224.5		68 233.5	65 230.7	3	122 143.2	99 145.7	23 133.3
All other forms of heart disease (415-429)	38 73.5	29 67.1	9 106.2	6 77.7	6 79.2		16 55.0	15 53.2	1	36 42.2	32 47.1	4 23.2
Hypertension, with or without renal disease (401, 403)				1 12.9	1 13.2		1 3.4	1 3.5		1 1.2		1 5.8
Cerebrovascular disease (430-438)	63 121.8	51 117.9	12 141.6	5 64.7	5 66.0		31 106.5	30 106.5	1	43 50.5	33 48.6	10 58.0
Atherosclerosis (440)	3 5.8	1 2.3	2 23.6				4 13.7	4 14.2		4 4.7	3 4.4	1 5.8
Other diseases of arteries, arterioles & capillaries (441-448)	7 13.5	5 11.6	2 23.6				1 3.4	1 3.5		4 4.7	3 4.4	1 5.8
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	24 46.4	22 50.9	2 23.6	1 12.9	1 13.2		8 27.5	8 28.4		10 11.7	7 10.3	3 17.4
Influenza (487)	3 5.8	1 2.3	2 23.6	1 12.9	1 13.2		2 6.9	2 7.1				
Bronchitis, chronic & unsp. (490-491)							1 3.4	1 3.5				
Emphysema (492)	8 15.5	8 18.5		1 12.9	1 13.2		5 17.2	6 17.7				
Asthma (493)	2 3.9	2 4.6								2 2.3	2 2.9	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	9 17.4	8 18.5	1 11.8	1 12.9	1 13.2		6 20.6	6 21.3		15 17.6	15 22.1	
Ulcer of stomach & duodenum (531-533)	3 5.8	2 4.6	1 11.8				2 6.9	2 7.1		2 2.3	2 2.9	
Appendicitis (540-543)							1 3.4	1 3.5				
Hernia & intestinal obstruction (550-553, 560)	1 1.9	1 2.3		1 12.9	1 13.2					1 1.2	1 1.5	
Chronic liver disease & cirrhosis (571)	4 7.7	3 6.9	1 11.8				2 6.9	2 7.1		4 4.7	4 5.9	
Cholelithiasis & other disorders of gallbladder (574-575)	2 3.9	2 4.6					1 3.4	1 3.5		2 2.3	1 1.5	1 5.8
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 1.9	1 2.3								2 2.3		2 11.6
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	6 11.6	2 4.6	4 47.2				3 10.3	3 10.6		2 2.3	2 2.9	
Infections of kidney (590)										1 1.2	1 1.5	
Hyperplasia of prostate (600)										1 1.2		1 5.8
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)							3 10.3	3 10.6		1 5.7	1 7.4	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)	3 5.8	3 6.9					3 10.3	3 10.6		7 8.2	2 2.9	5 29.0
Symptoms, signs & ill-defined conditions (780-799)	9 17.4	6 13.9	3 35.4	1 12.9	1 13.2		14 48.1	12 42.6	2	16 18.8	14 20.6	2 11.6
All other diseases	32 61.9	27 62.4	5 59.0	1 12.9	1 13.2		15 51.5	14 49.7	1	39 45.8	27 39.7	12 69.5
Motor vehicle accidents (E810-E825)	18 34.6	14 32.4	4 47.2	5 64.7	5 66.0		6 20.6	6 21.3		27 31.7	21 30.9	6 34.8
All other accidents & adverse effects (E800-E807, E826-E949)	8 15.5	8 18.5		3 38.8	3 39.6		6 20.6	6 21.3		18 21.1	17 25.0	1 5.8
Suicide (E950-E959)	8 15.5	8 18.5					1 3.4	1 3.5		11 12.9	10 14.7	1 5.8
Homicide & legal intervention (E960-E978)	6 11.6	5 11.6	1 11.8	1 12.9	1 13.2		2 6.9	2 7.1		6 7.0	4 5.9	2 11.6
All other external causes (E980-E999)	2 3.9	2 4.6		1 12.9	1 13.2		1 3.4	1 3.5		4 4.7	3 4.4	1 5.8

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	MOORE			MORGAN			OBION			OVERTON		
	All Races 4,654 No. Rate	White 4,441 No. Rate	Other Races 213 No. Rate	All Races 16,942 No. Rate	White 16,772 No. Rate	Other Races 170 No. Rate	All Races 32,979 No. Rate	White 29,667 No. Rate	Other Races 3,312 No. Rate	All Races 17,836 No. Rate	White 17,754 No. Rate	Other Races 82 No. Rate
LIVE BIRTHS	51 11.0	51 11.5		233 13.8	233 13.9		413 12.5	366 12.3	47 14.2	216 12.1	214 12.1	2 24.4
ILLEGITIMATE BIRTHS	4 7.8	4 7.8		30 12.9	30 12.9		57 13.8	31 8.5	26 55.3	22 10.2	21 9.8	1
LOW-WEIGHT BIRTHS (Less than 2500 grams)	1 2.0	1 2.0		13 5.6	13 5.6		27 6.5	20 5.5	7 14.9	10 4.6	10 4.7	
INFANT DEATHS (Under one year of age)												
Neonatal Deaths (Under 28 days of age)							4 9.7	3 8.2	1 21.3	2 9.3	2 9.3	
Under 7 days of age							4 9.7	3 8.2	1 21.3	1 4.6	1 4.7	
7-27 days of age							4	3	1	1	1	
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS				4 17.2	4 17.2		3 7.3	2 5.5	1 21.3	2 9.3	1 4.7	1
INDUCED ABORTIONS	5 98.0	4 78.4	1	22 94.4	22 94.4		50 121.1	42 114.6	8 170.2	14 64.8	14 65.4	
TOTAL DEATHS	34 7.3	32 7.2	2 9.4	153 9.0	153 9.1		372 11.3	329 11.1	43 13.0	159 8.9	158 8.9	1 12.2
CAUSE OF DEATH												
Shigellosis & amebiasis (004-006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				1 5.9	1 6.0		4 12.1	3 10.1	1	1 5.6	1 5.6	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)				1 5.9	1 6.0							
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				1 5.9	1 6.0							
Malignant neoplasms (140-208)	5 107.4	5		30 177.1	30 178.9		80 242.6	72 242.7	8	42 235.5	42 236.6	
Lip, oral cavity & pharynx (140-149)	1 21.5	1		1 5.9	1 6.0					1 5.6	1 5.6	
Digestive organs & peritoneum (150-159)				4 23.6	4 23.8		22 68.7	19 64.0	3	6 33.6	6 33.8	
Respiratory & intrathoracic organs (160-165)	3 64.5	3		10 59.0	10 59.6		22 68.7	22 74.2		18 100.9	18 101.4	
Breast (174-175)				1 5.9	1 6.0		9 27.3	9 30.3		3 16.8	3 16.9	
Female genital organs (179-184)				2 11.8	2 11.9		4 12.1	2 6.7	2	2 11.2	2 11.3	
Male genital organs (185-187)				4 23.6	4 23.8		4 12.1	2 6.7	2	1 5.6	1 5.6	
Urinary organs (188-189)				1 5.9	1 6.0		3 9.1	3 10.1		3 16.8	3 16.9	
Other & unsp. sites (170-173, 190-199)	1 21.5	1		3 17.7	3 17.9		7 21.2	6 20.2	1	5 28.0	5 28.2	
Leukemia (204-208)				1 5.9	1 6.0		4 12.1	4 13.5		2 11.2	2 11.3	
Other lymphatic & hematopoietic tissue (200-203)				3 17.7	3 17.9		5 15.2	5 16.9		1 5.6	1 5.6	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				2 11.8	2 11.9							
Diabetes mellitus (250)	2 43.0	2		4 23.6	4 23.8		3 9.1	2 6.7	1	2 11.2	2 11.3	
Nutritional deficiencies (260-269)												
Anemias (280-285)										1 5.6	1 5.6	
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	10 214.9	10		47 277.4	47 280.2		112 339.6	102 343.8	10	61 342.0	60 338.0	1
Rheumatic fever & rheumatic heart disease (390-398)							1 3.0	1 3.4		1 5.6	1 5.6	
Hypertensive heart disease (402)							6 18.2	3 10.1	3	1 5.6	1 5.6	
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	7 150.4	7		29 171.2	29 172.9		97 294.1	91 306.7	6	48 269.1	47 264.7	1
All other forms of heart disease (415-429)	3 64.5	3		18 106.2	18 107.3		8 24.3	7 23.6	1	11 61.7	11 62.0	
Hypertension, with or without renal disease (401, 403)				1 5.9	1 6.0		3 9.1	2 6.7	1			
Cerebrovascular disease (430-438)	1 21.5	1		16 94.4	16 95.4		44 133.4	38 128.1	6	13 72.9	13 73.2	
Atherosclerosis (440)	1 21.5	1		1 5.9	1 6.0		54 163.7	47 158.4	7	2 11.2	2 11.3	
Other diseases of arteries, arterioles & capillaries (441-448)	1 21.5	1		3 17.7	3 17.9		3 9.1	3 10.1		1 5.6	1 5.6	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	3 64.5	3		3 17.7	3 17.9		13 39.4	11 37.1	2	9 50.5	9 50.7	
Influenza (487)							1 3.0	1 3.4		1 5.6	1 5.6	
Bronchitis, chronic & unsp. (490-491)							1 3.0	1 3.4		1 5.6	1 5.6	
Emphysema (492)				1 5.9	1 6.0		1 3.0	1 3.4				
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)				3 17.7	3 17.9		9 27.3	9 30.3				
Ulcer of stomach & duodenum (531-533)				1 5.9	1 6.0		2 6.1	2 6.7		1 5.6	1 5.6	
Appendicitis (540-543)							1 3.0	1 3.4				
Hernia & intestinal obstruction (550-553, 560)	1 21.5	1										
Chronic liver disease & cirrhosis (571)	1 21.5	1					1 3.0	1 3.4		1 5.6	1 5.6	
Cholelithiasis & other disorders of gallbladder (574-575)												
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 21.5	1										
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				2 11.8	2 11.9		1 3.0	1 3.4		1 5.6	1 5.6	
Infections of kidney (590)							2 6.1	2 6.7				
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)												
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)							3 9.1	3 10.1		1 5.6	1 5.6	
Symptoms, signs & ill-defined conditions (780-799)	1 21.5	1		11 64.9	11 65.6		4 12.1	2 6.7	2	2 11.2	2 11.3	
All other diseases	4 85.9	4		13 76.7	13 77.5		14 42.5	13 43.8	1	6 33.6	6 33.8	
Motor vehicle accidents (E810-E825)	3 64.5	1	2	4 23.6	4 23.8		6 18.2	6 20.2		5 28.0	5 28.2	
All other accidents & adverse effects (E800-E807, E826-E849)				4 23.6	4 23.8		6 18.2	3 10.1	3	6 33.6	6 33.8	
Suicide (E950-E959)				1 5.9	1 6.0		2 6.1	2 6.7				
Homicide & legal intervention (E960-E978)				3 17.7	3 17.9		2 6.1	1 3.4	1	2 11.2	2 11.3	
All other external causes (E980-E999)												

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	PERRY				PICKETT				POLK				PUTNAM			
	ALL RACES 6,220 No. Rate	WHITE 6,062 No. Rate	OTHER RACES 158 No. Rate		ALL RACES 4,417 No. Rate	WHITE 4,399 No. Rate	OTHER RACES 18 No. Rate		ALL RACES 13,764 No. Rate	WHITE 13,728 No. Rate	OTHER RACES 36 No. Rate		ALL RACES 48,298 No. Rate	WHITE 48,996 No. Rate	OTHER RACES 1,342 No. Rate	
LIVE BIRTHS	61 9.8	57 9.4	4 25.3		63 14.3	63 14.3			156 11.3	155 11.3	1 27.8		595 12.3	575 12.2	20 14.9	
ILLEGITIMATE BIRTHS	11 18.0	8 14.0	3		8 12.7	8 12.7			17 10.9	17 11.0			20 10.1	57 9.9	3 15.0	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	2 3.3	1 1.8	1		6 9.5	6 9.5			9 5.8	9 5.8			40 6.7	38 6.6	2 10.0	
INFANT DEATHS (Under one year of age)									1 6.4	1 6.5			6 10.1	6 10.4		
Neonatal Deaths (Under 28 days of age)									1 6.4	1 6.5			2 3.4	2 3.5		
Under 7 days of age									1	1			2	2		
7-27 days of age																
MATERNAL DEATHS (ICD codes 630-676)																
FETAL DEATHS	2 32.8	2 35.1							1 6.4	1 6.5			4 6.7	4 7.0		
INDUCED ABORTIONS	9 147.5	8 140.4	1		4 63.5	4 63.5			24 153.8	23 148.4	1		173 290.8	165 287.0	8 400.0	
TOTAL DEATHS	89 14.3	87 14.4	2 12.7		37 8.4	37 8.4			128 9.3	128 9.3			364 7.5	359 7.6	5 3.7	
CAUSE OF DEATH																
Sh. gelloria & amebiasis (004, 006)																
Certain other intestinal infections (007-009)																
Tuberculosis, all forms (010-018)																
Whooping cough (033)																
Streptococcal sore throat, scarlatina & erysipelas (034-035)																
Meningococcal infection (036)																
Septicemia (038)																
Acute poliomyelitis (045)													1 2.1	1 2.1		
Viral encephalitis (049.8-049.9, 062-064)																
Measles (055)																
Viral hepatitis (070)																
Rocky Mtn. spotted fever (082.0)																
Syphilis (090-097)													1 2.1	1 2.1		
All other infectious & parasitic diseases (remainder of 001-139)													2 4.1	2 4.3		
Malignant neoplasms (140-208)	12 192.9	12 198.0			14 317.0	14			27 196.2	27 196.7			62 128.4	60 127.8	2	
Lip, oral cavity & pharynx (140-149)													2 4.1	2 4.3		
Digestive organs & peritoneum (150-159)	2 32.2	2 33.0			3 67.9	3			7 50.9	7 51.0			16 33.1	16 34.1		
Respiratory & intrathoracic organs (160-165)	2 32.2	2 33.0			4 90.6	4			9 65.4	9 65.6			20 41.4	19 40.5	1	
Breast (174-175)					1 22.6	1			2 14.5	2 14.6			3 6.2	3 6.4		
Female genital organs (179-184)	2 32.2	2 33.0			2 45.3	2			1 7.3	1 7.3			2 4.1	2 4.3		
Male genital organs (185-187)	1 16.1	1 16.5							2 14.5	2 14.6			1 2.1	1 2.1		
Urinary organs (188-189)	1 16.1	1 16.5			2 45.3	2			2 14.5	2 14.6			2 4.1	2 4.3		
Other & unsp. sites (170-173, 190-199)	3 48.2	3 49.5							3 21.8	3 21.9			10 20.7	9 19.2	1	
Leukemia (204-208)					3				3				3 6.2	3 6.4		
Other lymphatic & hematopoietic tissue (200-203)	1 16.1	1 16.5			2 45.3	2			1 7.3	1 7.3			3 6.2	3 6.4		
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 16.1	1 16.5														
Diabetes mellitus (250)	1 16.1	1 16.5							1 7.3	1 7.3			6 12.4	5 10.6	1	
Nutritional deficiencies (260-269)					1 22.6	1										
Anemias (280-285)																
Meningitis (320-322)																
Diseases of heart (390-398, 402, 404-429)	34 546.6	33 544.4	1		15 339.6	15			47 341.5	47 342.4			146 302.3	145 308.8	1	
Rheumatic fever & rheumatic heart disease (390-398)																
Hypertensive heart disease (402)									1 7.3	1 7.3			1 2.1	1 2.1		
Hypertensive heart & renal disease (404)																
Ischemic heart disease (410-414)	25 401.9	24 395.9	1		11 249.0	11			42 305.1	42 305.9			116 240.2	115 244.9	1	
All other forms of heart disease (415-429)	9 144.7	9 148.5			4 90.6	4			4 29.1	4 29.1			29 60.0	29 61.8		
Hypertension, with or without renal disease (401, 403)	1 16.1	1 16.5														
Cerebrovascular disease (430-438)	2 32.2	2 33.0							16 116.2	16 116.6			44 91.1	44 93.7		
Atherosclerosis (440)	5 80.4	5 82.5							5 36.3	5 36.4			8 16.6	8 17.0		
Other diseases of arteries, arterioles & capillaries (441-448)	1 16.1	1 16.5							1 7.3	1 7.3			6 12.4	6 12.8		
Acute bronchitis & bronchiolitis (466)									1 7.3	1 7.3						
Pneumonia (480-486)	3 48.2	3 49.5							1 7.3	1 7.3			5 10.4	5 10.6		
Influenza (487)	6 96.5	6 99.0											3 6.2	3 6.4		
Bronchitis, chronic & unsp. (490-491)													1 2.1	1 2.1		
Emphysema (492)									1 7.3	1 7.3			1 2.1	1 2.1		
Asthma (493)	1 16.1	1 16.5							1 7.3	1 7.3						
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 48.2	3 49.5			4 90.6	4							8 16.6	8 17.0		
Ulcer of stomach & duodenum (531-533)													4 8.3	4 8.5		
Appendicitis (540-543)	1 16.1	1 16.5														
Hernia & intestinal obstruction (550-553, 560)									1 7.3	1 7.3						
Chronic liver disease & cirrhosis (571)									1 7.3	1 7.3			5 10.4	5 10.6		
Cholelithiasis & other disorders of gallbladder (574-575)																
Acute glomerulonephritis & nephrotic syndrome (580-581)																
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)																
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)																
Infections of kidney (590)													2 4.1	2 4.3		
Hyperplasia of prostate (600)													2 4.1	2 4.3		
Complications of pregnancy, childbirth & the puerperium (630-676)																
Congenital anomalies (740-759)																
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)									1 7.3	1 7.3			2 4.1	2 4.3		
Other conditions originating in the perinatal period (760-766, 770-779)													1 2.1	1 2.1		
Symptoms, signs & ill-defined conditions (780-799)	2 32.2	2 33.0														
All other diseases	6 96.5	6 99.0			1 22.6	1			9 65.4	9 65.6			22 45.6	22 46.9		
Motor vehicle accidents (E810-E825)	1 16.1	1 16.5			2 45.3	2			9 65.4	9 65.6			8 16.6	8 17.0		
All other accidents & adverse effects (E800-E807, E826-E949)	4 64.3	4 66.0							2 14.5	2 14.6			11 22.8	11 23.4		
Suicide (E950-E959)	2 32.2	2 33.0											9 18.6	8 17.0	1	
Homicide & legal intervention (E960-E978)	2 32.2	1 16.5	1						2 14.5	2 14.6			1 2.1	1 2.1		
All other external causes (E980-E999)	1 16.1	1 16.5							2 14.5	2 14.6			1 2.1	1 2.1		

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	RHEA						ROANE						ROBERTSON						RUTHERFORD					
	All Races 25,023		White 24,272		Other Races 751		All Races 49,478		White 47,812		Other Races 1,666		All Races 38,005		White 33,014		Other Races 4,991		All Races 85,549		White 76,229		Other Races 9,320	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	328	13.1	313	12.9	15	20.0	564	11.4	538	11.3	26	15.6	549	14.4	451	13.7	98	19.6	1,314	15.4	1,148	15.1	166	17.8
ILLEGITIMATE BIRTHS	52	15.9	43	13.7	9	60.0	89	12.2	56	10.4	13	50.0	102	18.6	37	8.2	65	66.3	193	14.7	102	8.9	91	54.8
LOW-WEIGHT BIRTHS (Less than 2500 grams)	29	8.8	27	8.6	2	13.3	35	6.2	31	5.8	4	15.4	52	9.5	32	7.1	20	20.4	106	8.1	84	7.3	22	13.3
INFANT DEATHS (Under one year of age)	2	6.1	2	6.4			4	7.1	4	7.4			6	10.9	4	8.9	2	20.4	17	12.9	11	9.6	6	36.1
Neonatal Deaths (Under 28 days of age)	1	3.0	1	3.2			4	7.1	4	7.4			6	10.9	4	8.9	2	20.4	16	12.2	10	8.7	6	36.1
Under 7 days of age	1		1				4		4				5		3		2		14		9		5	
7-27 days of age													1		1				2		1		1	
MATERNAL DEATHS (ICD codes 630-676)																								
FETAL DEATHS	3	9.1	2	6.4	1	66.7	3	5.3	3	5.6			3	5.5	1	2.2	2	20.4	14	10.7	11	9.6	3	18.1
INDUCED ABORTIONS	39	118.9	38	121.4	1	66.7	144	255.3	138	256.5	6	230.8	68	123.9	55	122.0	13	132.7	395	300.6	355	309.2	40	241.0
TOTAL DEATHS	202	8.1	195	8.0	7	9.3	407	8.2	393	8.2	14	8.4	333	8.8	286	8.7	47	9.4	555	6.5	462	6.1	92	9.9
CAUSE OF DEATH																								
Shigellosis & amebiasis (004, 006)																								
Certain other intestinal infections (007-009)																								
Tuberculosis, all forms (010-018)													2	5.3	2	6.1			2	2.3	1	1.3	1	10.7
Whooping cough (033)																								
Streptococcal sore throat, scarlatina & erysipelas (034-035)																								
Meningococcal infection (036)													1	2.6	1	3.0								
Septicemia (038)							1	2.0	1	2.1			1	2.6	1	3.0			2	2.3	2	2.6		
Acute poliomyelitis (045)																								
Viral encephalitis (049.8-049.9, 062-064)																								
Measles (055)																								
Viral hepatitis (070)																								
Rocky Mtn. spotted fever (082.0)																			1	1.2			1	10.7
Syphilis (090-097)																								
All other infectious & parasitic diseases (remainder of 301-139)	1	4.0	1	4.1																				
Malignant neoplasms (140-208)	43	171.8	41	168.9	2		84	169.8	84	175.7			63	165.8	54	163.6	9		108	126.2	91	119.4	17	182.4
Lip, oral cavity & pharynx (140-149)	3	12.0	3	12.4			4	8.1	4	8.4									3	3.5	2	2.6	1	10.7
Digestive organs & peritoneum (150-159)	13	52.0	12	49.4	1		24	48.5	24	50.2			18	47.4	15	45.4	3		31	36.2	24	31.5	7	75.1
Respiratory & intrathoracic organs (160-165)	13	52.0	13	53.6			26	52.5	26	54.4			14	36.8	11	33.3	3		27	31.6	26	34.1	1	10.7
Breast (174-175)	1	4.0	1	4.1			5	10.1	5	10.5			9	23.7	9	27.3	3		6	7.0	4	5.2	2	21.5
Female genital organs (179-184)							3	6.1	3	6.3			1	2.6	1	3.0			6	7.0	5	6.6	1	10.7
Male genital organs (185-187)	1	4.0	1	4.1			1	2.0	1	2.1			5	13.2	3	9.1	2		11	12.9	10	13.1	1	10.7
Urinary organs (188-189)	2	8.0	2	8.2			3	6.1	3	6.3			3	7.9	2	6.1	1		3	3.5	2	2.6	1	10.7
Other & unsp. sites (170-173, 190-199)	8	32.0	8	33.0			12	24.3	12	25.1			8	21.0	8	24.2			8	9.4	6	7.9	2	21.5
Leukemia (204-208)							3	6.1	3	6.3			1	2.6	1	3.0			9	10.5	8	10.5	1	10.7
Other lymphatic & hematopoietic tissue (200-203)	2	8.0	1	4.1	1		3	6.1	3	6.3			4	10.5	4	12.1			4	4.7	4	5.2		
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1	4.0	1	4.1			1	2.0			1													
Diabetes mellitus (250)	5	20.0	4	16.5	1		6	12.1	6	12.5			11	28.9	7	21.2	4		6	7.0	3	3.9	3	32.2
Nutritional deficiencies (260-269)																			3	3.5	3	3.9		
Anemias (280-285)							1	2.0	1	2.1									2	2.3	2	2.6		
Meningitis (320-322)	1	4.0	1	4.1																				
Diseases of heart (390-398, 402, 404-429)	88	351.7	86	354.3	2		138	278.9	133	278.2	5		136	357.8	122	369.5	14		197	230.3	173	226.9	24	257.5
Rheumatic fever & rheumatic heart disease (390-398)																			2	2.3	2	2.6		
Hypertensive heart disease (402)							2	4.0	2	4.2			8	21.0	8	24.2			5	5.8	2	2.6	3	32.2
Hypertensive heart & renal disease (404)													1	2.6			1							
Ischemic heart disease (410-414)	76	303.7	74	304.9	2		96	194.0	95	198.7	1		111	292.1	100	302.9	11		158	184.7	140	183.7	18	193.1
All other forms of heart disease (415-429)	12	48.0	12	49.4			40	80.8	36	75.3	4		16	42.1	14	42.4	2		32	37.4	29	38.0	3	32.2
Hypertension, with or without renal disease (401, 403)	2	8.0	1	4.1	1														5	5.8	1	1.3	4	42.9
Cerebrovascular disease (430-438)	13	52.0	12	49.4	1		42	84.9	40	83.7	2		25	65.8	21	63.6	4		74	86.5	54	70.8	20	214.6
Atherosclerosis (440)	1	4.0	1	4.1			5	10.1	5	10.5			11	28.9	9	27.3	2		6	7.0	5	6.6	1	10.7
Other diseases of arteries, arterioles & capillaries (441-448)	1	4.0	1	4.1			4	8.1	4	8.4			1	2.6	1	3.0			3	3.5	2	2.6	1	10.7
Acute bronchitis & bronchiolitis (466)																								
Pneumonia (480-486)	1	4.0	1	4.1			2	4.0	2	4.2			5	13.2	5	15.1			15	17.5	14	18.4	1	10.7
Influenza (487)	1	4.0	1	4.1															2	2.3	2	2.6		
Bronchitis, chronic & unsp. (490-491)							3	6.1	3	6.3									1	1.2	1	1.3		
Emphysema (492)													4	10.5	3	9.1	1		6	7.0	6	7.9		
Asthma (493)	2	8.0	2	8.2									1	2.6			1		2	2.3	2	2.6		
Other chronic obstructive pulmonary disease & allied conditions (494-496)	6	24.0	6	24.7			22	44.5	22	46.0			1	2.6	1	3.0			12	14.0	11	14.4	1	10.7
Ulcer of stomach & duodenum (531-533)																								
Appendicitis (540-543)																								
Hernia & intestinal obstruction (550-553, 560)							2	4.0	1	2.1	1		2	5.3	2	6.1			1	1.2	1	1.3		
Chronic liver disease & cirrhosis (571)							8	16.2	7	14.6			7	18.4	5	15.1	2		6	7.0	6	7.9		
Cholelithiasis & other disorders of gallbladder (574-575)							1	2.0	1	2.1									1	1.2	1	1.3		
Acute glomerulonephritis & nephrotic syndrome (580-581)																								
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1	2.0	1	2.1														
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)																								
Infections of kidney (590)	3	12.0	3	12.4			5	10.1	3	6.3	2		3	7.9	1	3.0			1	1.2			1	10.7
Hyperplasia of prostate (600)													1	2.6			1		1	1.2	1	1.3		
Complications of pregnancy, childbirth & the puerperium (630-676)																								
Congenital anomalies (740-759)	2	8.0	2	8.2			2	4.0	2	4.2			3	7.9	2	6.1	1		8	9.4	8	10.5		

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	SCOTT			SEQUITZ			SEVIER			SHELBY		
	ALL RACES 19,809 No. Rate	WHITE 19,713 No. Rate	OTHER RACES 96 No. Rate	ALL RACES 8,880 No. Rate	WHITE 8,823 No. Rate	OTHER RACES 57 No. Rate	ALL RACES 43,253 No. Rate	WHITE 42,926 No. Rate	OTHER RACES 327 No. Rate	ALL RACES 773,732 No. Rate	WHITE 442,127 No. Rate	OTHER RACES 331,605 No. Rate
LIVE BIRTHS	298 15.0	297 15.1	1 10.4	143 16.1	143 16.2		594 13.7	591 13.8	3 9.2	13,932 18.0	6,344 14.3	7,586 22.9
ILLEGITIMATE BIRTHS	36 12.1	36 12.1		24 16.8	24 16.8		65 10.9	65 11.0		4,859 34.9	410 6.5	4,448 58.6
LOW-WEIGHT BIRTHS (Less than 2500 grams)	15 5.0	15 5.1		8 5.6	8 5.6		38 6.4	38 6.4		1,467 10.5	399 6.3	1,068 14.1
INFANT DEATHS (Under one year of age)	2 6.7	2 6.7		4 28.0	4 28.0		5 8.4	5 8.5		229 16.4	55 8.7	174 22.9
Neonatal Deaths (Under 28 days of age)	1 3.4	1 3.4		3 21.0	3 21.0		4 6.7	4 6.8		172 12.3	42 6.6	130 17.1
Under 7 days of age	1	1		3	3		3	3		147	37	110
7-27 days of age							1	1		25	5	20
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	4 13.4	4 13.5					8 13.5	8 13.5		128 9.2	41 6.5	87 11.5
INDUCED ABORTIONS	35 117.4	34 114.5		16 111.9	16 111.9		173 291.2	172 291.0	1	4,574 328.3	2,437 384.1	2,133 281.2
TOTAL DEATHS	179 9.0	179 9.1		76 8.6	76 8.6		304 7.0	302 7.0	2 6.1	6,653 8.6	3,758 8.5	2,892 8.7
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)							1 2.3	1 2.3		5 0.6	1 0.2	4 1.2
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)							1 2.3	1 2.3		33 4.3	9 2.0	24 7.2
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)										5 0.6	4 0.9	1 0.3
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	1 5.0	1 5.1					1 2.3	1 2.3		17 2.2	9 2.0	8 2.4
Malignant neoplasms (140-208)	32 161.5	32 162.3		13 146.4	13 147.3		61 141.0	60 139.8	1	1,500 193.9	891 201.5	609 183.7
Lip, oral cavity & pharynx (140-149)	2 10.1	2 10.1								24 3.1	13 2.9	11 3.3
Digestive organs & peritoneum (150-159)	6 30.3	6 30.4		2 22.5	2 22.7		10 23.1	10 23.3		378 48.9	220 49.8	158 47.6
Respiratory & intrathoracic organs (160-165)				2 22.5	2 22.7		24 55.5	24 55.9		428 55.3	255 57.7	173 52.2
Breast (174-175)	2 10.1	2 10.1		1 11.3	1 11.3		4 9.2	4 9.3		129 16.7	82 18.5	47 14.2
Female genital organs (179-184)	1 5.0	1 5.1		3 33.8	3 34.0		1 2.3	1 2.3		70 9.0	42 9.5	28 8.4
Male genital organs (185-187)	4 20.2	4 20.3		2 22.5	2 22.7		3 6.9	3 7.0		96 12.4	45 10.2	51 15.4
Urinary organs (188-189)	2 10.1	2 10.1					4 9.2	4 9.3		59 7.6	39 8.8	20 6.0
Other & unsp. sites (170-173, 190-199)	5 25.2	5 25.4		1 11.3	1 11.3		7 16.2	6 14.0	1	200 25.8	116 26.2	84 25.3
Leukemia (204-206)				2 22.5	2 22.7		3 6.9	3 7.0		47 6.1	34 7.7	13 3.9
Other lymphatic & hematopoietic tissue (207-209)												
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 5.0	1 5.1					5 11.6	5 11.6		69 8.9	45 10.2	24 7.2
Diabetes mellitus (250)	4 20.2	4 20.3										
Nutritional deficiencies (260-269)							1 2.3	1 2.3		94 12.1	37 8.4	57 17.2
Anemias (280-285)							1 2.3	1 2.3		1 0.1	1 0.2	
Meningitis (320-322)							1 2.3	1 2.3		14 1.8	7 1.6	7 2.1
										7 0.9	2 0.5	5 1.5
Diseases of heart (390-398, 402, 404-429)	72 363.5	72 365.2		37 416.7	37 419.4		128 295.9	127 295.9	1	2,315 299.2	1,344 304.0	971 292.8
Rheumatic fever & rheumatic heart disease (390-398)	1 5.0	1 5.1								14 1.8	12 2.7	2 0.6
Hypertensive heart disease (402)				2 22.5	2 22.7					131 16.9	34 7.7	97 29.3
Hypertensive heart & renal disease (404)										8 1.0	3 0.7	5 1.5
Ischemic heart disease (410-414)	54 272.6	54 273.9		26 292.8	26 294.7		102 235.8	101 235.3	1	1,327 171.5	954 215.8	373 112.5
All other forms of heart disease (415-429)	17 85.8	17 86.2		9 101.4	9 102.0		26 60.1	26 60.6		835 107.9	341 77.1	494 149.0
Hypertension, with or without renal disease (401, 403)							1 2.3	1 2.3		30 3.9	17 3.8	13 3.9
Cerebrovascular disease (430-438)	22 111.1	22 111.6		2 22.5	2 22.7		28 64.7	28 65.2		664 85.8	360 81.4	304 91.7
Atherosclerosis (440)	3 15.1	3 15.2		1 11.3	1 11.3					111 14.3	67 15.2	44 13.3
Other diseases of arteries, arterioles & capillaries (441-448)	1 5.0	1 5.1		1 11.3	1 11.3		3 6.9	3 7.0		49 6.3	33 7.5	16 4.8
Acute bronchitis & bronchiolitis (466)										1 0.1		1 0.3
Pneumonia (480-486)	3 15.1	3 15.2		1 11.3	1 11.3		13 30.1	13 30.3		156 20.2	89 20.1	67 20.2
Influenza (487)										10 1.3	8 1.8	2 0.6
Bronchitis, chronic & unsp. (490-491)							1 2.3	1 2.3		17 2.2	15 3.4	2 0.6
Emphysema (492)				1 11.3	1 11.3		3 6.9	3 7.0		33 4.3	29 6.6	4 1.2
Asthma (493)				1 11.3	1 11.3		1 2.3	1 2.3		7 0.9		7 2.1
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 15.1	3 15.2		3 33.8	3 34.0		10 23.1	10 23.3		147 19.0	116 26.2	31 9.3
Ulcer of stomach & duodenum (531-533)							2 4.6	2 4.7		16 2.1	11 2.5	5 1.5
Appendicitis (540-543)										2 0.3	1 0.2	1 0.3
Hernia & intestinal obstruction (550-553, 560)												
Chronic liver disease & cirrhosis (571)	1 5.0	1 5.1		1 11.3	1 11.3		3 6.9	3 7.0		18 2.3	8 1.8	10 3.0
Cholelithiasis & other disorders of gallbladder (574-575)										67 8.7	37 8.4	30 9.0
Acute glomerulonephritis & nephrotic syndrome (580-581)										7 0.9	5 1.1	2 0.6
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)										2 0.3	1 0.2	1 0.3
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	3 15.1	3 15.2					1 2.3	1 2.3		20 2.6	8 1.8	12 3.6
Infections of kidney (590)										32 4.1	14 3.2	18 5.4
Hyperplasia of prostate (600)										6 0.8	6 1.4	
										3 0.4	2 0.5	1 0.3
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 5.0	1 5.1		1 11.3	1 11.3		1 2.3	1 2.3		32 6.7	24 5.4	28 8.4
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				1 11.3	1 11.3		3 6.9	3 7.0		26 3.4	6 1.4	20 6.0
Other conditions originating in the perinatal period (760-766, 770-779)	1 5.0	1 5.1		1 11.3	1 11.3					113 14.6	24 5.4	89 26.8
Symptoms, signs & ill-defined conditions (780-799)	1 5.0	1 5.1		1 11.3	1 11.3		3 6.9	3 7.0		44 5.7	8 1.8	34 10.3
All other diseases	9 45.4	9 45.7		6 67.6	6 68.0		9 20.8	9 21.0		447 57.8	245 55.4	202 60.9
Motor vehicle accidents (E810-E825)	8 40.4	8 40.6		1 11.3	1 11.3		7 16.2	7 16.3		126 16.3	80 18.1	46 13.9
All other accidents & adverse effects (E800-E807, E826-E849)	5 25.2	5 25.4		3 33.8	3 34.0		14 32.4	14 32.6		171 22.1	98 22.2	73 22.0
Suicide (E950-E959)	2 10.1	2 10.1					3 6.9	3 7.0		102 13.2	82 18.5	19 5.7
Homicide & legal intervention (E960-E978)	3 15.1	3 15.2		1 11.3	1 11.3		2 4.6	2 4.7		155 20.0	40 9.0	115 34.7
All other external causes (E980-E999)	2 10.1	2 10.1								4 0.5	3 0.7	1 0.3

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TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	SMITH			STEWART			SULLIVAN			SUMNER		
	ALL RACES 15,214 No. Rate	WHITE 14,600 No. Rate	OTHER RACES 614 No. Rate	ALL RACES 8,816 No. Rate	WHITE 8,656 No. Rate	OTHER RACES 162 No. Rate	ALL RACES 145,014 No. Rate	WHITE 141,904 No. Rate	OTHER RACES 3,110 No. Rate	ALL RACES 90,007 No. Rate	WHITE 84,530 No. Rate	OTHER RACES 5,477 No. Rate
LIVE BIRTHS	193 12.7	186 12.7	7 11.4	102 11.6	101 11.7	1 6.2	1,748 12.1	1,700 12.0	48 15.4	1,312 14.6	1,198 14.2	114 20.8
ILLEGITIMATE BIRTHS	20 10.4	17 9.1	3	12 11.8	11 10.9	1	171 9.8	161 9.5	10 20.8	166 12.7	107 8.9	59 51.8
LOW-WEIGHT BIRTHS (Less than 2500 grams)	16 8.3	14 7.5	2	2 2.0	2 2.0		118 6.8	111 6.5	7 14.6	102 7.8	86 7.2	16 14.9
INFANT DEATHS (Under one year of age)	2 10.4	2 10.8					26 14.9	26 15.3		12 9.1	10 8.3	2 17.5
Neonatal Deaths (Under 28 days of age)	1 5.2	1 5.4					21 12.0	21 12.4		7 5.3	6 5.0	1 8.8
Under 7 days of age	1	1					14	14		5	4	1
7-27 days of age							7	7		2	2	
MATERNAL DEATHS (ICD codes 630-676)							1 5.7	1 5.9				
FETAL DEATHS							13 7.4	12 7.1	1 20.8	4 3.0	2 1.7	1 8.8
INDUCED ABORTIONS	29 150.3	27 145.2	2	10 98.0	8 79.2	2	358 204.8	346 203.5	11 229.2	258 196.6	247 206.2	11 96.5
TOTAL DEATHS	130 8.5	125 8.6	5 8.1	95 10.8	93 10.7	2 12.3	1,191 8.2	1,165 8.2	26 8.4	632 7.0	581 6.9	51 9.3
CAUSE OF DEATH												
Shigellosis & amebiasis (004.006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)	1 6.6	1 6.8								2 2.2	2 2.4	
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				1 11.3	1 11.6		4 2.8	4 2.8		1 1.1	1 1.2	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)										1 1.1	1 1.2	
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 0.7	1 0.7		4 4.4	4 4.7	
Malignant neoplasms (140-208)	28 184.0	26 178.1	2	16 181.4	15 173.3	1	259 178.6	247 174.1	12	132 146.7	117 138.4	15 273.9
Lip, oral cavity & pharynx (140-149)	1 6.6	1 6.8					7 4.8	6 4.2	1	3 3.3	2 2.4	1 18.3
Digestive organs & peritoneum (150-159)	6 39.4	6 41.1		4 45.4	4 46.2		52 35.9	48 33.8	4	28 31.1	26 30.8	2 36.5
Respiratory & intrathoracic organs (160-165)	6 39.4	6 41.1		5 56.7	5 57.8		89 61.4	84 59.2	5	33 36.7	30 35.5	3 54.8
Breast (174-175)	4 26.3	4 27.4		3 34.0	3 34.7		17 11.7	17 12.0		10 11.1	6 7.1	4 73.0
Female genital organs (179-184)							16 11.0	16 11.0		7 7.8	6 7.1	1 18.3
Male genital organs (185-187)	2 13.1	2 13.7		2 22.7	1 11.6	1	13 9.0	13 9.2		10 11.1	9 10.6	1 18.3
Urinary organs (188-189)	3 19.7	2 13.7	1				7 4.8	7 4.9		3 3.3	3 3.5	
Other & unsp. sites (170-173, 190-199)	2 13.1	1 6.8	1	1 11.3	1 11.6		37 25.5	37 26.1		23 25.6	21 24.8	2 36.5
Leukemia (204-208)	3 19.7	3 20.5		1 11.3	1 11.6		6 4.1	5 3.5	1	5 5.6	4 4.7	1 18.3
Other lymphatic & hematopoietic tissue (200-203)	1 6.6	1 6.8					15 10.3	14 9.9	1	10 11.1	10 11.8	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)							4 2.8	4 2.8				
Diabetes mellitus (250)				2 22.7	2 23.1		22 15.2	22 13.5		3 3.3	2 2.4	1 18.3
Nutritional deficiencies (260-269)							1 0.7	1 0.7		1 1.1	1 1.2	
Anemias (280-285)				1 11.3	1 11.6		1 0.7	1 0.7		1 1.1	1 1.2	
Meningitis (320-322)							1 0.7	1 0.7				
Diseases of heart (390-398, 402, 404-429)	52 341.8	50 342.5	2	34 385.6	33 381.2	1	440 303.4	433 305.1	7	215 238.9	202 239.0	13 237.4
Rheumatic fever & rheumatic heart disease (390-398)							3 2.1	3 2.1		1 1.1	1 1.2	
Hypertensive heart disease (402)	2 13.1	2 13.7					20 13.8	19 13.4	1	2 2.2	2 2.4	
Hypertensive heart & renal disease (404)							1 0.7	1 0.7		1 1.1		1 18.3
Ischemic heart disease (410-414)	49 322.1	47 321.9	2	20 226.8	19 219.5	1	334 230.3	329 231.8	5	159 176.7	151 178.6	8 146.1
All other forms of heart disease (415-429)	1 6.6	1 6.8		14 158.8	14 161.7		82 56.5	81 57.1	1	52 57.8	48 56.8	4 73.0
Hypertension, with or without renal disease (401, 403)							7 4.8	7 4.9		3 3.3	3 3.5	
Cerebrovascular disease (430-438)	12 78.9	12 82.2		14 158.8	14 161.7		117 80.7	114 80.3	3	56 62.2	48 56.8	8 146.1
Atherosclerosis (440)	3 19.7	3 20.5		1 11.3	1 11.6		8 5.5	8 5.6		13 14.4	13 15.4	
Other diseases of arteries, arterioles & capillaries (441-448)	2 13.1	2 13.7		1 11.3	1 11.6		9 6.2	9 6.3		4 4.4	4 4.7	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	4 26.3	4 27.4		1 11.3	1 11.6		38 26.2	38 26.8		20 22.2	19 22.5	1 18.3
Influenza (487)	1 6.6	1 6.8								2 2.2	1 1.2	1 18.3
Bronchitis, chronic & unsp. (490-491)							3 2.1	3 2.1				
Emphysema (492)				1 11.3	1 11.6		7 4.8	6 4.2	1	3 3.3	3 3.5	
Asthma (493)							1 0.7	1 0.7				
Other chronic obstructive pulmonary disease & allied conditions (494-496)	2 13.1	2 13.7		4 45.4	4 46.2		30 20.7	29 20.4	1	11 12.2	11 13.0	
Ulcer of stomach & duodenum (531-533)							4 2.8	4 2.8		2 2.2	2 2.4	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)	1 6.6	1 6.8		1 11.3	1 11.6		2 1.4	1 0.7	1	3 3.3	2 2.4	1 18.3
Chronic liver disease & cirrhosis (571)	2 13.1	2 13.7		2 22.7	2 23.1		17 11.7	17 12.0		3 3.3	3 3.5	
Cholelithiasis & other disorders of gallbladder (574-575)	1 6.6	1 6.8					6 4.1	6 4.2		4 4.4	4 4.7	
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	1 6.6	1 6.8					7 4.8	7 4.9		8 8.9	8 9.5	
Infections of kidney (590)							2 1.4	2 1.4		3 3.3	3 3.5	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)							1 5.7	1 5.9				
Congenital anomalies (740-759)	2 13.1	2 13.7					9 6.2	9 6.3		3 3.3	3 3.5	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)							6 4.1	6 4.2		1 1.1		1 18.3
Other conditions originating in the perinatal period (760-766, 770-779)							7 4.8	7 4.9		4 4.4	4 4.7	
Symptoms, signs & ill-defined conditions (780-799)	1 6.6	1 6.8		5 56.7	5 57.8		4 2.8	4 2.8		15 16.7	13 15.4	2 36.5
All other diseases	4 26.3	3 20.5	1	3 34.0	3 34.7		74 51.0	74 52.1		35 38.9	33 39.0	2 36.5
Motor vehicle accidents (E810-E825)	4 26.3	4 27.4		6 68.0	6 69.3		38 26.2	38 26.8		28 31.1	27 31.9	1 18.3
All other accidents & adverse effects (E800-E807, E826-E949)	4 26.3	4 27.4		2 22.7	2 23.1		33 22.8	33 23.3		25 27.8	22 26.0	3 54.8
Suicide (E950-E959)	4 26.3	4 27.4					16 11.0	15 10.6	1	15 16.7	14 16.6	1 18.3
Homicide & legal intervention (E960-E979)	1 6.6	1 6.8					8 5.5	8 5.6		9 10.0	8 9.5	1 18.3
All other external causes (E980-E999)							4 2.8	4 2.8		2 2.2	2 2.4	

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Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	TIPTON			TROUSDALE			UNICOI			UNION		
	All Races 33,324 No. Rate	White 24,607 No. Rate	Other Races 8,717 No. Rate	All Races 6,258 No. Rate	White 5,364 No. Rate	Other Races 894 No. Rate	All Races 16,423 No. Rate	White 16,363 No. Rate	Other Races 60 No. Rate	All Races 12,016 No. Rate	White 11,990 No. Rate	Other Races 26 No. Rate
LIVE BIRTHS	577 17.3	373 15.2	204 23.4	92 14.7	77 14.4	15 16.8	205 12.5	204 12.5	1 16.7	170 14.1	169 14.1	1 38.5
ILLEGITIMATE BIRTHS	160 27.7	37 9.9	123 60.3	12 13.0	5 6.5	7 46.7	16 7.8	16 7.8		14 8.2	14 8.3	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	44 7.6	23 6.2	21 10.3	7 7.6	6 7.8	1 6.7	17 8.3	17 8.3		16 9.4	16 9.5	
INFANT DEATHS (Under one year of age)	9 15.6	5 13.4	4 19.6	1 10.9	1 13.0		2 9.8	2 9.8		2 11.8	2 11.8	
Neonatal Deaths (Under 28 days of age)	4 6.9	2 5.4	2 9.8	1 10.9	1 13.0		2 9.8	2 9.8		2 11.8	2 11.8	
Under 7 days of age	4	2	2	1	1		2	2		2	2	
7-27 days of age												
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	3 5.2		3 14.7	1 10.9	1 13.0					1 5.9	1 5.9	
INDUCED ABORTIONS	79 136.9	57 152.8	22 107.8	9 97.8	7 90.9	2 133.3	30 146.3	30 147.1		14 82.4	14 82.8	
TOTAL DEATHS	300 9.0	222 9.0	78 8.9	61 9.7	53 9.9	8 8.9	163 9.9	162 9.9	1 16.7	100 8.3	100 8.3	
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				1 16.0	1 18.6		1 6.1	1 6.1				
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)	1 3.0		1 11.5									
Septicemia (038)	1 3.0	1 4.1					1 6.1	1 6.1				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)										1 8.3	1 8.3	
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	2 6.0	1 4.1	1 11.5				1 6.1	1 6.1				
Malignant neoplasms (140-208)	65 195.1	54 219.4	11 126.2	14 223.7	13 242.4	1	39 237.5	39 238.3		23 191.4	23 191.8	
Lip, oral cavity & pharynx (140-149)	2 6.0	2 8.1		1 16.0	1 18.6							
Digestive organs & peritoneum (150-159)	10 30.0	8 32.5	2 22.9	2 32.0	1 18.6	1	11 67.0	11 67.2		3 25.0	3 25.0	
Respiratory & intrathoracic organs (160-185)	25 75.0	24 97.5	1 11.5	5 79.9	5 93.2		12 73.1	12 73.3		9 74.9	9 75.1	
Breast (174-175)	5 15.0	4 16.3	1 11.5				2 12.2	2 12.2		1 8.3	1 8.3	
Female genital organs (179-184)	2 6.0	1 4.1	1 11.5	1 16.0	1 18.6		3 18.3	3 18.3		1 8.3	1 8.3	
Male genital organs (185-187)	4 12.0	2 8.1	2 22.9				1 6.1	1 6.1		2 16.6	2 16.7	
Urinary organs (188-189)	2 6.0	2 8.1		1 16.0	1 18.6		3 18.3	3 18.3				
Other & unsp. sites (170-173, 190-199)	9 27.0	8 32.5	1 11.5				3 18.3	3 18.3		5 41.6	5 41.7	
Leukemia (204-208)	5 15.0	2 8.1	3 34.4	1 16.0	1 18.6		2 12.2	2 12.2		1 8.3	1 8.3	
Other lymphatic & hematopoietic tissue (200-203)	1 3.0	1 4.1		3 47.9	3 55.9							
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)							1 6.1	1 6.1				
Diabetes mellitus (250)	5 15.0	3 12.2	2 22.9	2 32.0	1 18.6	1	3 18.3	3 18.3		1 8.3	1 8.3	
Nutritional deficiencies (260-269)							1 6.1	1 6.1		1 8.3	1 8.3	
Anemias (280-285)							1 6.1	1 6.1				
Meningitis (320-322)							1 6.1	1 6.1				
Diseases of heart (390-398, 402, 404-429)	108 324.1	83 337.3	25 286.8	18 287.6	16 298.3	2	50 304.5	50 305.6		45 374.5	45 375.3	
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)	2 6.0	1 4.1	1 11.5							2 16.6	2 16.7	
Hypertensive heart & renal disease (404)	1 3.0		1 11.5									
Ischemic heart disease (410-414)	86 258.1	68 276.3	18 206.5	16 255.7	14 261.0	2	33 200.9	33 201.7		40 332.9	40 333.6	
All other forms of heart disease (415-429)	19 57.0	14 56.9	5 57.4	2 32.0	2 37.3		17 103.5	17 103.9		3 25.0	3 25.0	
Hypertension, with or without renal disease (401, 403)	3 9.0	1 4.1	2 22.9	1 16.0	1 18.6	1				8 66.6	8 66.7	
Cerebrovascular disease (430-438)	33 99.0	18 73.1	15 172.1	8 127.8	7 130.5	1	12 73.1	12 73.3		1 8.3	1 8.3	
Atherosclerosis (440)	6 18.0	4 16.3	2 22.9	2 32.0	1 18.6	1	1 6.1	1 6.1				
Other diseases of arteries, arterioles & capillaries (441-448)	1 3.0	1 4.1								1 8.3	1 8.3	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	8 24.0	8 32.5					4 24.4	4 24.4		2 16.6	2 16.7	
Influenza (487)	1 3.0	1 4.1										
Bronchitis, chronic & unsp. (490-491)							2 12.2	2 12.2				
Emphysema (492)	1 3.0	1 4.1		1 16.0	1 18.6		1 6.1	1 6.1		1 8.3	1 8.3	
Asthma (493)	1 3.0		1 11.5				1 6.1	1 6.1				
Other chronic obstructive pulmonary disease & allied conditions (494-496)	1 3.0	1 4.1		1 16.0	1 18.6		5 30.4	5 30.6		1 8.3	1 8.3	
Ulcer of stomach & duodenum (531-533)				1 16.0	1 18.6							
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)	1 3.0		1 11.5	1 16.0	1 18.6							
Chronic liver disease & cirrhosis (571)	1 3.0	1 4.1					4 24.4	4 24.4		1 8.3	1 8.3	
Cholelithiasis & other disorders of gallbladder (574-575)	1 3.0	1 4.1					1 6.1	1 6.1				
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 3.0		1 11.5							1 8.3	1 8.3	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	4 12.0	2 8.1	2 22.9									
Infections of kidney (590)												
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 3.0	1 4.1		1 16.0	1 18.6					1 8.3	1 8.3	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 3.0		1 11.5				1 6.1	1 6.1				
Other conditions originating in the perinatal period (760-766, 770-779)	3 9.0	2 8.1	1 11.5				1 6.1	1 6.1		1 8.3	1 8.3	
Symptoms, signs & ill-defined conditions (780-799)	3 9.0	2 8.1	1 11.5				1 6.1	1 6.1		1 8.3	1 8.3	
All other diseases	21 63.0	15 61.0	6 68.8	5 79.9	4 74.6	1	13 79.2	13 79.4		5 41.6	5 41.7	
Motor vehicle accidents (E810-E825)	16 48.0	14 56.9	2 22.9	1 16.0	1 18.6		5 30.4	5 30.6		3 25.0	3 25.0	
All other accidents & adverse effects (E800-E807, E826-E849)	5 15.0	4 16.3	1 11.5	1 16.0	1 18.6		4 24.4	4 24.4		1 8.3	1 8.3	
Suicide (E950-E959)	2 6.0	2 8.1		2 32.0	2 37.3		6 36.5	6 36.7		1 8.3	1 8.3	
Homicide & legal intervention (E960-E978)	2 6.0	1 4.1	1 11.5	1 16.0	1 18.6		2 12.2	1 6.1	1			
All other external causes (E980-E999)	1 3.0		1 11.5									

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, TENNESSEE, 1981

Estimated Population, July 1, 1981	VAN BUREN			WARREN			WASHINGTON			WAYNE		
	All Races 4,842 No. Rate	White 4,828 No. Rate	Other Races 14 No. Rate	All Races 33,249 No. Rate	White 31,958 No. Rate	Other Races 1,291 No. Rate	All Races 89,213 No. Rate	White 85,753 No. Rate	Other Races 3,460 No. Rate	All Races 14,081 No. Rate	White 13,894 No. Rate	Other Races 187 No. Rate
LIVE BIRTHS	53 10.9	53 11.0		467 14.0	441 13.8	26 20.1	1,125 12.6	1,053 12.3	72 20.8	208 14.8	204 14.7	4 21.4
ILLEGITIMATE BIRTHS	6 11.3	6 11.3		44 9.4	34 7.7	10 38.5	149 13.2	111 10.5	38 52.8	19 9.1	17 8.3	2
LOW-WEIGHT BIRTHS (Less than 2500 grams)	5 9.4	5 9.4		35 7.5	29 6.6	6 23.1	87 7.7	71 6.7	16 22.2	6 2.9	6 2.9	
INFANT DEATHS (Under one year of age)	3 56.6	3 56.6		5 10.7	4 9.1	1 38.5	19 16.9	15 14.2	4 55.6	7 33.7	6 29.4	1
Neonatal Deaths (Under 28 days of age)	2 37.7	2 37.7		2 4.3	2 4.5		11 9.8	8 7.6	3 41.7	4 19.2	4 19.6	
Under 7 days of age	2	2		2	2		10	7	3	4	4	
7-27 days of age							1	1				
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS				2 4.3	2 4.5		14 12.4	11 10.4	3 41.7	1 4.8	1 4.9	
INDUCED ABORTIONS	5 94.3	5 94.3		81 173.4	76 172.3	4 153.8	291 258.7	281 266.9	9 125.0	7 33.7	7 34.3	
TOTAL DEATHS	36 7.4	36 7.5		289 8.7	278 8.7	11 8.5	767 8.6	734 8.6	33 9.5	155 11.0	152 10.9	3 16.0
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				1 3.0	1 3.1		1 1.1	1 1.2				
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)				1 3.0	1 3.1		1 1.1	1 1.2				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				1 3.0	1 3.1							
Malignant neoplasms (140-208)	6 123.9	6		52 156.4	51 159.6	1	138 154.7	134 156.3	4	29 206.0	28 201.5	1
Lip, oral cavity & pharynx (140-149)							1 1.1	1 1.2		1 7.1	1 7.2	
Digestive organs & peritoneum (150-159)	3 62.0	3		16 48.1	16 50.1		35 39.2	34 39.6	1	1 7.1	1 7.2	
Respiratory & intrathoracic organs (160-165)	2 41.3	2		13 39.1	12 37.5	1	41 46.0	40 46.6	1	11 78.1	10 72.0	1
Breast (174-175)				5 15.0	5 15.6		9 10.1	9 10.5		3 21.3	3 21.6	
Female genital organs (179-184)				1 3.0	1 3.1		3 3.4	3 3.5		2 14.2	2 14.4	
Male genital organs (185-187)				5 15.0	5 15.6		7 7.8	6 7.0	1	2 14.2	2 14.4	
Urinary organs (188-189)	1 20.7	1		2 6.0	2 6.3		8 9.0	8 9.3		1 7.1	1 7.2	
Other & unsp. sites (170-173, 190-199)				5 15.0	5 15.6		20 22.4	20 23.3		5 35.5	5 36.0	
Leukemia (204-208)				2 6.0	2 6.3		3 3.4	3 3.5		2 14.2	2 14.4	
Other lymphatic & hematopoietic tissue (200-203)				3 9.0	3 9.4		11 12.3	10 11.7	1	1 7.1	1 7.2	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 3.0	1 3.1		3 3.4	3 3.5				
Diabetes mellitus (250)	1 20.7	1		5 15.0	5 15.6		10 11.2	9 10.5	1	1 7.1	1 7.2	
Nutritional deficiencies (260-269)												
Anemias (280-285)							2 2.2	2 2.3				
Meningitis (320-322)							1 1.1	1 1.2				
Diseases of heart (390-398, 402, 404-429)	14 289.1	14		123 369.9	120 375.5	3	288 322.8	274 319.5	14	65 461.6	65 467.8	
Rheumatic fever & rheumatic heart disease (390-398)				2 6.0	2 6.3		4 4.5	4 4.7		1 7.1	1 7.2	
Hypertensive heart disease (402)				3 9.0	3 9.4		9 10.1	9 10.5		2 14.2	2 14.4	
Hypertensive heart & renal disease (404)							2 2.2	2 2.3				
Ischemic heart disease (410-414)	12 247.8	12		76 228.6	75 234.7	1	182 204.0	172 200.6	10	49 348.0	49 352.7	
All other forms of heart disease (415-429)	2 41.3	2		42 126.3	40 125.2	2	91 102.0	87 101.5	4	13 92.3	13 93.6	
Hypertension, with or without renal disease (401, 403)				1 3.0	1 3.1		3 3.4	3 3.5				
Cerebrovascular disease (430-438)	5 103.3	5		32 96.2	29 90.7	3	60 67.3	55 64.1	5	10 71.0	10 72.0	
Atherosclerosis (440)				3 9.0	2 6.3	1	13 14.6	13 15.2		9 63.9	9 64.8	
Other diseases of arteries, arterioles & capillaries (441-448)				3 9.0	3 9.4		9 10.1	9 10.5		1 7.1	1 7.2	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	1 20.7	1		4 12.0	4 12.5		22 24.7	22 25.7		4 28.4	4 28.8	
Influenza (487)				4 12.0	4 12.5					1 7.1	1 7.2	
Bronchitis, chronic & unsp. (490-491)							3 3.4	3 3.5				
Emphysema (492)							2 2.2	2 2.3				
Asthma (493)				1 3.0	1 3.1		1 1.1	1 1.2		1 7.1	1 7.2	
Other chronic obstructive pulmonary disease & allied conditions (494-496)				2 6.0	2 6.3							
Ulcer of stomach & duodenum (531-533)				7 21.1	7 21.9		24 26.8	24 28.0		3 21.3	3 21.6	
Appendicitis (540-543)							3 3.4	3 3.5				
Hernia & intestinal obstruction (550-553, 560)							2 2.2	2 2.3				
Chronic liver disease & cirrhosis (571)							8 9.0	8 9.3		4 28.4	4 28.8	
Cholelithiasis & other disorders of gallbladder (574-575)										1 7.1	1 7.2	
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				1 3.0	1 3.1		1 1.1	1 1.2				
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				3 9.0	3 9.4		3 3.4	3 3.5				
Infections of kidney (590)												
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)				3 9.0	3 9.4		2 2.2	2 2.3		3 21.3	3 21.6	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)							4 4.5	3 3.5	1			
Other conditions originating in the perinatal period (760-766, 770-779)	2 41.3	2		1 3.0	1 3.1		6 6.7	4 4.7	2	1 7.1	1 7.2	
Symptoms, signs & ill-defined conditions (780-799)	1 20.7	1					51 57.2	48 56.0	3	4 28.4	3 21.6	1
All other diseases	3 62.0	3		16 48.1	15 46.9	1	42 47.1	41 47.8	1	3 21.3	3 21.6	
Motor vehicle accidents (E810-E825)	1 20.7	1		4 12.0	4 12.5		23 25.8	23 26.8		8 56.8	8 57.6	
All other accidents & adverse effects (E800-E807, E826-E949)	1 20.7	1		14 42.1	12 37.5	2	25 28.0	24 28.0	1	5 35.5	4 28.8	1
Suicide (E950-E959)				4 12.0	4 12.5		7 7.8	7 8.2		1 7.1	1 7.2	
Homicide & legal intervention (E960-E978)	1 20.7	1		2 6.0	2 6.3		4 4.5	3 3.5	1	1 7.1	1 7.2	
All other external causes (E980-E999)							5 5.6	5 5.8				

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated

TABLE VI (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	WEAVER			WHITE			WILLIAMSON			WILSON		
	ALL RACES 32,894 No. Rate	WHITE 30,522 No. Rate	OTHER RACES 2,372 No. Rate	ALL RACES 19,897 No. Rate	WHITE 19,421 No. Rate	OTHER RACES 476 No. Rate	ALL RACES 62,017 No. Rate	WHITE 56,814 No. Rate	OTHER RACES 5,403 No. Rate	ALL RACES 58,667 No. Rate	WHITE 53,544 No. Rate	OTHER RACES 5,123 No. Rate
LIVE BIRTHS	407 12.4	376 12.3	31 13.1	252 12.7	248 12.8	4 8.4	786 12.7	684 12.1	102 18.9	806 13.7	716 13.4	90 17.6
ILLEGITIMATE BIRTHS	48 11.8	30 8.0	18 58.1	33 13.1	32 12.9	1	103 13.1	43 6.3	60 58.8	92 11.4	42 5.9	50 55.6
LOW-WEIGHT BIRTHS (Less than 2500 grams)	31 7.6	28 7.4	3 9.7	18 7.1	19 7.3		41 5.2	31 4.5	10 9.8	50 6.2	39 5.4	11 12.2
INFANT DEATHS (Under one year of age)	5 12.3	5 13.3		3 11.9	3 12.1		6 7.6	5 7.3	1 9.8	8 9.9	4 5.6	4 44.4
Neonatal Deaths (Under 28 days of age)	2 4.9	2 5.3		1 4.0	1 4.0		4 5.1	3 4.4	1 9.8	6 7.4	2 2.8	4 44.4
Under 7 days of age	2	2		1	1		3	3		6	2	4
7-27 days of age							1		1			
MATERNAL DEATHS (ICD codes 630-676)										1 12.4	1 14.0	
FETAL DEATHS	3 7.4	3 8.0		2 7.9	2 8.1		5 6.4	4 5.8	1 9.8	4 5.0	3 4.2	1 11.1
INDUCED ABORTIONS	94 231.0	85 226.1	9 290.3	24 95.2	21 84.7	2	169 215.0	138 201.8	31 303.9	148 183.6	131 183.0	17 188.9
TOTAL DEATHS	333 10.1	310 10.2	23 9.7	211 10.6	201 10.3	10 21.0	386 6.2	331 5.8	55 10.2	404 6.9	350 6.5	54 10.5
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							1 1.6	1 1.8		1 1.7	1 1.9	
Whooping cough (031)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	1 3.0	1 3.3					1 1.6		1 18.5			
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)										1 1.7	1 1.9	
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 1.6	1 1.8		1 1.7	1 1.9	
Malignant neoplasms (140-208)	57 173.3	52 170.4	5	38 191.0	38 195.7		88 141.9	76 134.2	12 222.1	89 151.7	79 147.5	10 195.2
Lip, oral cavity & pharynx (140-149)	2 6.1		2				2 3.2	1 1.8	1 18.5	1 1.7		1 19.5
Digestive organs & peritoneum (150-159)	16 48.6	15 49.1	1	8 40.2	8 41.2		18 29.0	16 28.3	2 37.0	18 30.7	15 28.0	3 58.6
Respiratory & intrathoracic organs (160-165)	19 57.8	19 62.3		9 45.2	9 46.3		15 24.2	12 21.2	3 55.5	23 39.2	22 41.1	1 19.5
Breast (174-175)	2 6.1	2 6.6		4 20.1	4 20.6		6 9.7	5 8.8	1 18.5	7 11.9	7 13.1	
Female genital organs (179-184)	3 9.1	3 9.8		3 15.1	3 15.4		12 19.3	11 19.4	1 18.5	7 11.9	7 13.1	
Male genital organs (185-187)	6 18.2	5 16.4	1	4 20.1	4 20.6		7 11.3	6 10.6	1 18.5	6 10.2	4 7.5	2 39.0
Urinary organs (188-189)				4 20.1	4 20.6		4 6.4	3 5.3	1 18.5	4 6.8	4 7.5	
Other & unsp. sites (170-173, 190-199)	3 9.1	3 9.8		4 20.1	4 20.6		15 24.2	13 23.0	2 37.0	14 23.9	13 24.3	1 19.5
Leukemia (204-208)	5 15.2	5 16.4		1 5.0	1 5.1		2 3.2	2 3.5		5 8.5	5 9.3	
Other lymphatic & hematopoietic tissue (209-233)	1 3.0		1	1 5.0	1 5.1		7 11.3	7 12.4		4 6.8	2 3.7	2 39.0
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)				1 5.0	1 5.1		1 1.6	1 1.8		1 1.7	1 1.9	
Diabetes mellitus (250)	5 15.2	3 9.8	2	7 35.2	7 36.0		6 9.7	6 10.6		5 8.5	5 9.3	
Nutritional deficiencies (260-269)	2 6.1	2 6.6					2 3.2	2 3.5		1 1.7	1 1.9	
Anemias (280-285)	2 6.1	2 6.6		2 10.1	2 10.3		1 1.6	1 1.8		1 1.7	1 1.9	
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	136 413.4	130 425.9	6	78 392.0	70 360.4	8	146 235.4	122 215.5	24 444.2	140 238.6	120 224.1	20 390.4
Rheumatic fever & rheumatic heart disease (390-398)				3 15.1	2 10.3	1	2 3.2	1 1.8	1 18.5	4 6.8	3 5.6	1 19.5
Hypertensive heart disease (402)	3 9.1	3 9.8					3 4.8	2 3.5	1 18.5	1 1.7	1 1.9	
Hypertensive heart & renal disease (404)										1 1.7	1 1.9	
Ischemic heart disease (410-414)	119 361.8	115 376.8	4	64 321.7	58 298.6	6	120 193.5	101 178.4	19 351.7	104 177.3	87 162.5	17 331.8
All other forms of heart disease (415-429)	14 42.6	12 39.3	2	11 55.3	10 51.5	1	21 33.9	18 31.8	3 55.5	30 51.1	28 52.3	2 39.0
Hypertension, with or without renal disease (401, 403)	1 3.0	1 3.3								2 3.4	2 3.7	
Cerebrovascular disease (430-438)	30 91.2	26 85.2	4	37 186.0	37 190.5		35 56.4	30 53.0	5 92.5	52 88.6	46 85.9	6 117.1
Atherosclerosis (440)	15 45.6	14 45.9	1	4 20.1	3 15.4	1	3 4.8	3 5.3		5 8.5	5 9.3	
Other diseases of arteries, arterioles & capillaries (441-448)	4 12.2	4 13.1					3 4.8	3 5.3		4 6.8	3 5.6	1 19.5
Acute bronchitis & bronchiolitis (466)	1 3.0	1 3.3										
Pneumonia (480-486)	5 15.2	5 16.4		3 15.1	3 15.4		9 14.5	7 12.4	2 37.0	14 23.9	14 26.1	
Influenza (487)	3 9.1	3 9.8					2 3.2	2 3.5				
Bronchitis, chronic & unsp. (490-491)	1 3.0	1 3.3										
Emphysema (492)	1 3.0	1 3.3		1 5.0	1 5.1		3 4.8	3 5.3		6 10.2	5 9.3	1 19.5
Asthma (493)	3 9.1	3 9.8								1 1.7		1 19.5
Other chronic obstructive pulmonary disease & allied conditions (494-496)				1 5.0	1 5.1		7 11.3	6 10.6	1 18.5	6 10.2	6 11.2	
Ulcer of stomach & duodenum (531-533)				1 5.0	1 5.1		2 3.2	2 3.5				
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							1 1.6	1 1.8				
Chronic liver disease & cirrhosis (571)	3 9.1	3 9.8		3 15.1	3 15.4		2 3.2	2 3.5		5 8.5	5 9.3	
Cholelithiasis & other disorders of gallbladder (574-575)	1 3.0	1 3.3								1 1.7	1 1.9	
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)							1 1.6	1 1.8		1 1.7	1 1.9	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				2 10.1	2 10.3		2 3.2	2 3.5		6 10.2	3 5.6	3 58.6
Infections of kidney (590)										1 1.7	1 1.9	
Hyperplasia of prostate (600)							2 3.2	2 3.5				
Complications of pregnancy, childbirth & the puerperium (630-676)										1 12.4	1 14.0	
Congenital anomalies (740-759)	5 15.2	5 16.4		2 10.1	2 10.3		2 3.2	2 3.5		3 5.1	2 3.7	1 19.5
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	2 6.1	2 6.6								1 1.7	1 1.9	
Other conditions originating in the perinatal period (760-766, 770-779)	1 3.0	1 3.3		1 5.0	1 5.1		2 3.2	1 1.8	1 18.5	4 6.8	1 1.9	3 58.6
Symptoms, signs & ill-defined conditions (780-799)	3 9.1	3 9.8		2 10.1	2 10.3		2 3.2	2 3.5		2 3.4	1 1.9	1 19.5
All other diseases	20 60.8	16 52.4	4	6 30.2	6 30.9		24 38.7	22 38.9	2 37.0	16 27.3	13 24.3	3 58.6
Motor vehicle accidents (E810-E825)	5 15.2	5 16.4		4 20.1	4 20.6		15 24.2	15 26.5		10 17.0	10 18.7	
All other accidents & adverse effects (E800-E807, E808-E849)	6 18.2	6 19.7		7 35.2	6 30.9	1	15 24.2	8 14.1	7 129.6	9 15.3	8 14.9	1 19.5
Suicide (E950-E959)	4 12.2	4 13.1		5 25.1	5 25.7		5 8.1	5 8.8		9 15.3	9 16.8	
Homicide & legal intervention (E960-E978)	5 15.2	4 13.1	1	5 25.1	5 25.7					4 6.8	1 1.9	3 58.6
All other external causes (E980-E999)				1 5.0	1 5.1		2 3.2	2 3.5		1 1.7	1 1.9	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	ATHENS			BARTLETT			BRISTOL			CHATANOOGA		
	ALL RACES 12,224 No. Rate	WHITE 11,073 No. Rate	OTHER RACES 1,151 No. Rate	ALL RACES 17,044 No. Rate	WHITE 16,674 No. Rate	OTHER RACES 370 No. Rate	ALL RACES 24,158 No. Rate	WHITE 23,388 No. Rate	OTHER RACES 770 No. Rate	ALL RACES 169,818 No. Rate	WHITE 115,069 No. Rate	OTHER RACES 54,749 No. Rate
LIVE BIRTHS	163 13.3	138 12.5	25 21.7	252 14.8	240 14.4	12 32.4	300 12.4	290 12.4	10 13.0	2,755 16.2	1,764 15.3	990 18.1
ILLEGITIMATE BIRTHS	27 16.6	18 13.0	9 36.0	5 2.0	3 1.2	2 16.7	32 10.7	30 10.3	2 20.0	800 29.0	181 10.3	618 62.4
LOW-WEIGHT BIRTHS (Less than 2500 grams)	17 10.4	14 10.1	3 12.0	5 2.0	5 2.1		27 9.0	25 8.6	2 20.0	236 8.6	99 5.6	136 13.7
INFANT DEATHS (Under one year of age)	2 12.3	2 14.5		1 4.0	1 4.2		6 20.0	6 20.7		39 14.2	22 12.5	17 17.2
Fetal Deaths (Under 28 days of age)	1 6.1	1 7.2		1 4.0	1 4.2		5 16.7	5 17.2		24 8.7	13 7.4	11 11.1
Under 7 days of age	1	1		1	1		3	3		20	10	10
7-27 days of age							2	2		4	3	1
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS				3 11.9	3 12.5		2 6.7	2 6.9		23 8.3	10 5.7	13 13.1
INDUCED ABORTIONS	58 355.8	52 376.8	6 240.0	33 131.0	32 133.3	1 83.3	49 163.3	47 162.1	2 200.0	990 359.3	614 348.1	376 379.8
TOTAL DEATHS	135 11.0	127 11.5	8 7.0	24 1.4	20 1.2	4 10.8	250 10.3	244 10.4	6 7.8	1,738 10.2	1,186 10.3	551 10.1
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)										8 4.7	5 4.3	3 5.5
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)										1 0.6		1 1.8
Acute poliomyelitis (045)										11 6.5	5 4.3	6 11.0
Viral encephalitis (049.8-049.9, 062-064)							1 4.1	1 4.3				
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)										1 0.6	1 0.9	
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	1 8.2	1 9.0								2 1.2	2 1.7	
Malignant neoplasms (140-208)	24 196.3	24 216.7		5 29.3	3 18.0	2	58 240.1	54 230.9	4	372 219.1	264 229.4	108 197.3
Lip, oral cavity & pharynx (140-149)	1 8.2	1 9.0					3 12.4	2 8.6	1	11 6.5	9 7.8	2 3.7
Digestive organs & peritoneum (150-159)	8 65.4	8 72.2		1 5.9	1 6.0		17 70.4	15 64.1	2	93 54.8	59 51.3	34 62.1
Respiratory & intrathoracic organs (160-165)	7 57.3	7 63.2					19 78.6	18 77.0	1	119 70.1	86 74.7	33 60.3
Breast (174-175)	1 8.2	1 9.0					1 4.1	1 4.3		30 17.7	20 17.4	10 18.3
Female genital organs (179-184)	2 16.4	2 18.1		1 5.9	1 6.0		4 16.6	4 17.1		26 15.3	22 19.1	4 7.3
Male genital organs (185-187)				1 5.9	1 6.0		2 8.3	2 8.6		18 10.6	12 10.4	6 11.0
Urinary organs (188-189)	2 16.4	2 18.1					3 12.4	3 12.8		17 10.0	10 8.7	7 12.8
Other & unsp. sites (170-173, 190-199)	1 8.2	1 9.0		2 11.7		2	5 20.7	5 21.4		33 19.4	29 25.2	4 7.3
Leukemia (204-208)	1 8.2	1 9.0					2 8.3	2 8.6		11 6.5	8 7.0	3 5.5
Other lymphatic & hematopoietic tissue (200-203)	1 8.2	1 9.0					2 8.3	2 8.6		14 8.2	9 7.8	5 9.1
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)										9 5.3	8 7.0	1 1.8
Diabetes mellitus (250)							6 24.8	6 25.7		28 16.5	20 17.4	8 14.6
Nutritional deficiencies (260-269)	1 8.2	1 9.0								4 2.4	3 2.6	1 1.8
Anemias (280-285)										5 2.9	2 1.7	3 5.5
Meningitis (320-322)										1 0.6	1 0.9	
Diseases of heart (390-398, 402, 404-429)	61 499.0	56 505.7	5	11 64.5	10 60.0	1	98 405.7	96 410.5	2	677 396.7	452 392.8	224 409.1
Rheumatic fever & rheumatic heart disease (390-398)										7 4.1	5 4.3	2 3.7
Hypertensive heart disease (402)							4 16.6	3 12.8	1	16 9.4	9 7.8	7 12.8
Hypertensive heart & renal disease (404)	1 8.2	1 9.0								3 1.8	2 1.7	1 1.8
Ischemic heart disease (410-414)	51 417.2	47 424.5	4	9 52.8	8 48.0	1	70 289.8	70 299.3		569 335.1	378 328.5	190 347.0
All other forms of heart disease (415-429)	9 73.6	8 72.2	1	2 11.7	2 12.0		24 99.3	23 98.3	1	82 48.3	58 50.4	24 43.8
Hypertension, with or without renal disease (401, 403)	1 8.2	1 9.0					2 8.3	2 8.6		5 2.9	2 1.7	3 5.5
Cerebrovascular disease (430-438)	11 90.0	9 81.3	2				29 120.0	29 124.0		139 81.9	98 85.2	41 74.9
Atherosclerosis (440)	3 24.5	3 27.1					2 8.3	2 8.6		20 11.8	14 12.2	6 11.0
Other diseases of arteries, arterioles & capillaries (441-448)	3 24.5	3 27.1		1 5.9	1 6.0		1 4.1	1 4.3		19 11.2	15 13.0	4 7.3
Acute bronchitis & bronchiolitis (466)										4 2.4	2 1.7	2 3.7
Pneumonia (480-486)	2 16.4	2 18.1					6 24.8	6 25.7		62 36.5	49 42.6	13 23.7
Influenza (487)										1 0.6	1 0.9	
Bronchitis, chronic & unsp. (490-491)	1 8.2	1 9.0								4 2.4	4 3.5	
Emphysema (492)				1 5.9	1 6.0		1 4.1	1 4.3		6 3.5	5 4.3	1 1.8
Asthma (493)										2 1.2	1 0.9	1 1.8
Other chronic obstructive pulmonary disease & allied conditions (494-498)												
Ulcer of stomach & duodenum (531-533)	4 32.7	3 27.1	1				5 20.7	5 21.4		32 18.8	25 21.7	7 12.8
Appendicitis (540-543)										7 4.1	3 2.6	4 7.3
Hernia & intestinal obstruction (550-553, 560)										2 1.2	2 1.7	
Chronic liver disease & cirrhosis (571)	1 8.2	1 9.0								6 3.5	5 4.3	1 1.8
Cholelithiasis & other disorders of gallbladder (574-575)							5 20.7	5 21.4		18 10.6	12 10.4	6 11.0
Acute glomerulonephritis & nephrotic syndrome (580-581)										3 1.8	2 1.7	1 1.8
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)										1 0.6		1 1.8
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)										6 3.5	2 1.7	4 7.3
Infections of kidney (590)	1 8.2	1 9.0										
Hyperplasia of prostate (600)	1 8.2	1 9.0					1 4.1	1 4.3		14 8.2	8 7.0	6 11.0
										2 1.2	1 0.9	1 1.8
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)				1 5.9	1 6.0		1 4.1	1 4.3		11 6.5	7 6.1	4 7.3
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)												
Other conditions originating in the perinatal period (760-766, 770-779)	1 8.2	1 9.0					2 8.3	2 8.6		9 5.3	6 5.2	3 5.5
Symptoms, signs & ill-defined conditions (780-799)	6 49.1	6 54.2					1 4.1	1 4.3		12 7.1	5 4.3	7 12.8
All other diseases	6 49.1	6 54.2		2 11.7	2 12.0		13 53.8	13 55.6		93 54.8	55 47.8	38 69.4
Motor vehicle accidents (E810-E825)	5 40.9	5 45.2		2 11.7	1 6.0	1	7 29.0	7 29.9		32 18.8	28 24.3	4 7.3
All other accidents & adverse effects (E800-E807, E826-E949)	1 8.2	1 9.0										
Suicide (E950-E959)	1 8.2	1 9.0		1 5.9	1 6.0		5 20.7	5 21.4		49 28.9	34 29.5	15 27.4
Homicide & legal intervention (E960-E978)							3 12.4	3 12.8		24 14.1	19 16.5	5 9.1
All other external causes (E980-E999)							2 8.3	2 8.6		25 14.7	10 8.7	15 27.4
										2 1.2	1 0.9	1 1.8

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with rate not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	CLARKSVILLE			CLEVELAND			COLUMBIA			COOKEVILLE		
	ALL RACES 56,001 No. Rate	WHITE 42,287 No. Rate	OTHER RACES 13,734 No. Rate	ALL RACES 27,245 No. Rate	WHITE 25,234 No. Rate	OTHER RACES 2,011 No. Rate	ALL RACES 26,668 No. Rate	WHITE 21,486 No. Rate	OTHER RACES 5,182 No. Rate	ALL RACES 20,794 No. Rate	WHITE 19,779 No. Rate	OTHER RACES 1,015 No. Rate
LIVE BIRTHS	1,249 22.3	931 22.0	318 23.2	424 15.6	385 15.3	39 19.4	362 13.6	278 12.9	84 16.2	234 11.3	222 11.2	12 11.8
ILLEGITIMATE BIRTHS	151 12.1	48 5.2	103 32.4	55 13.0	31 8.1	24 61.5	88 24.3	30 10.8	58 69.0	31 13.2	29 13.1	2 16.7
LOW WEIGHT BIRTHS (Less than 2500 grams)	103 8.2	61 6.6	42 13.2	30 7.1	27 7.0	3 7.7	25 6.9	18 6.5	7 8.3	12 5.1	11 5.0	1 8.3
INFANT DEATHS (Under one year of age)	14 11.2	9 9.7	5 15.7	3 7.1	2 5.2	1 25.6	1 2.8	1 3.6				
Neonatal Deaths (Under 28 days of age)	10 8.0	5 5.4	5 15.7	2 4.7	1 2.6	1 25.6	1 2.8	1 3.6				
Under 7 days of age	9	4	5	2	1	1	1	1				
7-27 days of age	1	1										
MATERNAL DEATHS (ICD codes 630-676)	1 8.0	1 10.7										
FETAL DEATHS	17 13.6	12 12.9	5 15.7	5 11.8	5 13.0		2 5.5	2 7.2		2 8.5	2 9.0	
INDUCED ABORTIONS	207 165.7	156 167.6	51 160.4	121 285.4	115 298.7	6 153.8	73 201.7	53 190.6	20 238.1	112 478.6	106 477.5	6 500.0
TOTAL DEATHS	297 5.3	219 5.2	78 5.7	290 10.6	258 10.2	32 15.9	283 10.6	215 10.0	68 13.1	145 7.0	143 7.2	2 2.0
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)	2 3.6		2 14.6	2 7.3	2 7.9				1 19.3			
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)	1 1.8		1 7.3									
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)										1 4.8	1 5.1	
All other infectious & parasitic diseases (remainder of 001-139)	1 1.8	1 2.4										
Malignant neoplasms (140-208)	62 110.7	46 108.8	16 116.5	54 198.2	48 190.2	6	55 206.2	41 190.8	14 270.2	26 125.0	24 121.3	2
Lip, oral cavity & pharynx (140-149)	1 1.8	1 2.4		3 11.0	3 11.9		1 3.7		1 19.3			
Digestive organs & peritoneum (150-159)	12 21.4	7 16.6	5 36.4	11 40.4	11 43.6		9 33.7	5 23.3	4 77.2	7 33.7	7 35.4	
Respiratory & intrathoracic organs (160-169)	15 26.8	12 28.4	3 21.6	18 66.1	14 55.5	4	10 37.5	8 37.2	2 38.6	11 52.9	10 50.6	1
Breast (174-175)	8 14.3	7 16.6	1 7.3	2 7.3	2 7.9		5 18.7	4 18.6	1 19.3	2 9.6	2 10.1	
Female genital organs (179-184)	4 7.1	4 9.5		2 7.3	2 7.9		4 15.0	3 14.0	1 19.3			
Male genital organs (185-187)	4 7.1	3 7.1	1 7.3	4 14.7	3 11.9	1	8 30.0	5 23.3	3 57.9			
Urinary organs (188-189)	6 10.7	3 7.1	3 21.6	1 3.7	1 4.0		2 7.5	2 9.3		1 4.8	1 5.1	
Other & unsp. sites (170-173, 190-199)	7 12.5	5 11.8	2 14.6	6 22.0	6 23.8		12 45.0	10 46.5	2 38.6	4 19.2	3 15.2	1
Leukemia (204-206)	2 3.6	1 2.4	1 7.3	4 14.7	4 15.9		1 3.7	1 4.7		1 4.8	1 5.1	
Other lymphatic & hematopoietic tissue (200-203)	3 5.4	3 7.1		3 11.0	2 7.9	1	3 11.2	3 14.0				
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 1.8	1 2.4		1 3.7	1 4.0		1 3.7	1 4.7				
Diabetes mellitus (250)	4 7.1		4 29.1	2 7.3	1 4.0	1	6 22.5	3 14.0	3 57.9	3 14.4	3 15.2	
Nutritional deficiencies (260-269)	1 1.8	1 2.4										
Anemias (280-285)												
Meningitis (320-322)	1 1.8	1 2.4										
Diseases of heart (390-398, 402, 404-429)	94 167.9	75 177.4	19 138.3	102 374.4	91 360.6	11	101 378.7	74 344.4	27 521.0	60 288.5	60 303.4	
Rheumatic fever & rheumatic heart disease (390-398)				3 11.0	3 11.9		1 3.7	1 4.7				
Hypertensive heart disease (402)							3 11.2	2 9.3	1 19.3			
Hypertensive heart & renal disease (404)		1 2.4					2 7.5	1 4.7	1 19.3			
Ischemic heart disease (410-414)	76 135.7	59 139.6	17 123.8	87 319.3	76 307.2	11	72 270.0	53 246.7	19 366.7	45 230.8	48 242.7	
All other forms of heart disease (415-429)	17 30.4	15 35.5	2 14.6	12 44.0	12 47.6		23 86.2	17 79.1	6 115.8	12 57.7	12 60.7	
Hypertension, with or without renal disease (401, 403)	1 1.8		1 7.3									
Cerebrovascular disease (430-438)	22 39.3	15 35.5	7 51.0	43 157.8	38 150.6	5	37 138.7	31 144.3	6 115.8	17 81.8	17 85.9	
Atherosclerosis (440)	1 1.8		1 7.3				1 3.7	1 4.7		2 9.6	2 10.1	
Other diseases of arteries, arterioles & capillaries (441-448)	3 5.4	2 4.7	1 7.3	4 14.7	4 15.9		1 3.7	1 4.7		4 19.2	4 20.2	
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	8 14.3	6 14.2	2 14.6	7 25.7	7 27.7		13 48.7	11 51.2	2 38.6	3 14.4	3 15.2	
Influenza (487)				1 3.7	1 4.0		1 3.7		1 19.3	1 4.8	1 5.1	
Bronchitis, chronic & unsp. (490-491)												
Empyema (492)				5 18.4	5 19.8		3 11.2	3 14.0				
Asthma (493)	1 1.8	1 2.4		2 7.3	2 7.9		1 3.7	1 4.7				
Other chronic obstructive pulmonary disease & allied conditions (494-496)	9 16.1	9 21.3		3 11.0	3 11.9		6 22.5	6 27.9		4 19.2	4 20.2	
Ulcer of stomach & duodenum (531-533)	2 3.6	2 4.7					2 7.5	2 9.3		1 4.8	1 5.1	
Appendicitis (540-543)				1 3.7		1						
Hernia & intestinal obstruction (550-553, 560)	1 1.8	1 2.4					1 3.7	1 4.7				
Chronic liver disease & cirrhosis (571)	3 5.4	3 7.1		1 3.7	1 4.0		3 11.2	2 9.3	1 19.3	1 4.8	1 5.1	
Cholelithiasis & other disorders of gallbladder (574-575)	1 1.8	1 2.4					1 3.7	1 4.7				
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	2 3.6		2 14.6	1 3.7	1 4.0							
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	2 3.6	2 4.7		3 11.0	2 7.9	1	3 11.2		3 57.9	1 4.8	1 5.1	
Infections of kidney (590)	1 1.8	1 2.4		1 3.7	1 4.0							
Hyperplasia of prostate (600)	1 1.8		1 7.3									
Complications of pregnancy, childbirth & the puerperium (630-676)	1 8.0	1 10.7										
Congenital anomalies (740-759)				3 11.0	3 11.9							
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	2 3.6	2 4.7										
Other conditions originating in the perinatal period (760-766, 770-779)	6 10.7	2 4.7	4 29.1	1 3.7		1	1 3.7	1 4.7				
Symptoms, signs & ill-defined conditions (780-799)	5 8.9	5 11.8		7 25.7	5 19.8	2	5 18.7	2 9.3	3 57.9			
All other diseases	22 39.3	12 28.4	10 72.8	18 66.1	17 67.4	1	19 71.2	16 74.5	3 57.9	9 43.3	9 45.5	
Motor vehicle accidents (E810-E825)	12 21.4	10 23.7	2 14.6	12 44.0	11 43.6	1	8 30.0	5 23.3	3 57.9	4 19.2	4 20.2	
All other accidents & adverse effects (E800-E807, E826-E849)	10 17.9	9 21.3	1 7.3	9 33.0	8 31.7	1	3 11.2	3 14.0		2 9.6	2 10.1	
Suicide (E950-E959)	6 10.7	5 11.8	1 7.3	3 11.0	3 11.9		6 22.5	6 27.9		2 9.6	2 10.1	
Homicide & legal intervention (E960-E978)	6 10.7	4 9.5	2 14.6	4 14.7	3 11.9	1	4 15.0	3 14.0	1 19.3	1 4.8	1 5.1	
All other external causes (E980-E999)	2 3.6	1 2.4	1 7.3							1 4.8	1 5.1	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	DYERSBURG			EAST RIDGE			ELIZABETHTON			FRANKLIN		
	All Races 15,992 No. Rate	White 13,021 No. Rate	Other Races 2,971 No. Rate	All Races 21,296 No. Rate	White 21,122 No. Rate	Other Races 174 No. Rate	All Races 12,553 No. Rate	White 12,173 No. Rate	Other Races 380 No. Rate	All Races 13,059 No. Rate	White 9,740 No. Rate	Other Races 3,319 No. Rate
LIVE BIRTHS	229 14.3	170 13.1	59 19.9	112 5.3	111 5.3	1 5.7	123 9.8	117 9.6	6 15.8	231 17.7	164 16.8	67 20.2
ILLEGITIMATE BIRTHS	54 23.6	17 10.0	37 62.7	4 3.6	4 3.6		26 21.1	23 19.7	3	59 25.5	13 7.9	46 68.7
LOW-WEIGHT BIRTHS (Less than 2500 grams)	18 7.9	15 8.8	3 5.1	8 7.1	8 7.2		10 8.1	9 7.7	1	16 6.9	8 4.9	8 11.9
INFANT DEATHS (Under one year of age)	5 21.8	4 23.5	1 16.9	1 8.9	1 9.0		3 24.4	3 25.6		1 4.3	1 6.1	
Neonatal Deaths (Under 28 days of age)	3 13.1	3 17.6		1 8.9	1 9.0		1 8.1	1 8.5				
Under 7 days of age	3	3		1	1		1	1				
7-27 days of age												
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	2 8.7		2 33.9				1 8.1	1 8.5		3 13.0	2 12.2	1 14.9
INDUCED ABORTIONS	47 205.2	34 200.0	13 220.3	12 107.1	11 99.1	1	34 276.4	32 273.5	2	72 311.7	54 329.3	18 268.7
TOTAL DEATHS	192 12.0	148 11.4	44 14.8	174 8.2	173 8.2	1 5.7	137 10.9	130 10.7	7 18.4	144 11.0	109 11.2	35 10.5
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)	1 6.3	1 7.7										
Septicemia (038)	2 12.5	2 15.4					1 8.0	1 8.2		1 7.7		1
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)							1 8.0	1 8.2				
Malignant neoplasms (140-208)	32 200.1	25 192.0	7	34 159.7	34 161.0		32 254.9	31 254.7	1	26 199.1	19 195.1	7
Lip, oral cavity & pharynx (140-149)				2 9.4	2 9.5							
Digestive organs & peritoneum (150-159)	6 37.5	6 46.1		6 28.2	6 28.4		7 55.8	7 57.5		5 38.3	4 41.1	1
Respiratory & intrathoracic organs (160-165)	9 56.3	8 61.4	1	13 61.0	13 61.5		11 87.6	10 82.1	1	7 53.6	5 51.3	2
Breast (174-175)	5 31.3	4 30.7	1	2 9.4	2 9.5		4 31.9	4 32.9		3 23.0	2 20.5	1
Female genital organs (179-184)	1 6.3	1 7.7		2 9.4	2 9.5		1 8.0	1 8.2		1 7.7	1 10.3	
Male genital organs (185-187)				1 4.7	1 4.7					2 15.3	1 10.3	1
Urinary organs (188-189)	1 6.3		1	1 4.7	1 4.7		3 23.9	3 24.6		3 23.0	2 20.5	1
Other & unsp. sites (170-173, 190-199)	8 50.0	5 38.4	3	3 14.1	3 14.2		4 31.9	4 32.9		3 23.0	2 20.5	1
Leukemia (204-208)	1 6.3	1 7.7		2 9.4	2 9.5							
Other lymphatic & hematopoietic tissue (209-209)	1 6.3		1	2 9.4	2 9.5		2 15.9	2 16.4		2 15.3	2 20.5	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1 6.3		1				1 8.0	1 8.2		1 7.7	1 10.3	
Diabetes mellitus (250)	1 6.3	1 7.7		3 14.1	3 14.2		3 23.9	3 24.6		2 15.3	2 20.5	
Nutritional deficiencies (260-269)												
Anemias (280-285)				1 4.7		1						
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	54 337.7	44 337.9	10	70 328.7	70 331.4		46 366.4	41 336.8	5	58 444.1	45 462.0	13
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)	2 12.5		2	3 14.1	3 14.2					1 7.7		1
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	44 275.1	39 299.5	5	65 305.2	65 307.7		37 294.8	36 295.7	1	49 375.2	38 390.1	11
All other forms of heart disease (415-429)	8 50.0	5 38.4	3	2 9.4	2 9.5		9 71.7	5 41.1	4	8 61.3	7 71.9	1
Hypertension, with or without renal disease (401, 403)	1 6.3	1 7.7		1 4.7	1 4.7		1 8.0	1 8.2				
Cerebrovascular disease (430-438)	22 137.6	15 115.2	7	20 93.9	20 94.7		10 79.7	10 82.1		15 114.9	11 112.9	4
Atherosclerosis (440)	1 6.3		1	1 4.7	1 4.7		2 15.9	2 16.4		3 23.0	3 30.8	
Other diseases of arteries, arterioles & capillaries (441-448)	1 6.3	1 7.7		2 9.4	2 9.5		2 15.9	2 16.4		1 7.7	1 10.3	
Acute bronchitis & bronchiolitis (466)	1 6.3	1 7.7										
Pneumonia (480-486)	9 56.3	9 69.1		5 23.5	5 23.7		3 23.9	3 24.6		3 23.0	1 10.3	2
Influenza (487)				1 4.7	1 4.7					1 7.7	1 10.3	
Chronic bronchitis, chronic & unsp. (490-491)												
Emphysema (492)	1 6.3	1 7.7		2 9.4	2 8.6					1 7.7	1 10.3	
Asthma (493)	1 6.3		1									
Other chronic obstructive pulmonary disease & allied conditions (494-496)	3 18.8	3 23.0		3 14.1	3 14.2		3 23.9	3 24.6		3 23.0	2 20.5	1
Ulcer of stomach & duodenum (531-533)				1 4.7	1 4.7							
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)				1 4.7	1 4.7		1 8.0	1 8.2				
Chronic liver disease & cirrhosis (571)	2 12.5	2 15.4		3 14.1	3 14.2		5 39.8	5 41.1		2 15.3	2 20.5	
Cholelithiasis & other disorders of gallbladder (574-575)	1 6.3	1 7.7					1 8.0	1 8.2				
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				1 4.7	1 4.7					1 7.7	1 10.3	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	4 25.0	2 15.4	2	1 4.7	1 4.7		3 23.9	2 16.4	1	1 7.7	1 10.3	
Infections of kidney (590)												
Hyperplasia of prostate (600)										1 7.7	1 10.3	
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	1 6.3	1 7.7										
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 6.3	1 7.7		1 4.7	1 4.7							
Other conditions originating in the perinatal period (760-766, 770-779)	1 6.3	1 7.7										
Symptoms, signs & ill-defined conditions (780-799)	24 150.1	16 122.9	8	6 28.2	6 28.4		4 31.9	4 32.9		1 7.7	1 10.3	
All other diseases	14 87.5	9 69.1	5				14 111.5	14 115.0		6 45.9	5 51.3	1
Motor vehicle accidents (E810-E825)	5 31.3	4 30.7	1	4 18.8	4 18.9					4 30.6	4 41.1	
All other accidents & adverse effects (E800-E807, E826-E949)	6 37.5	5 38.4	1	9 42.3	9 42.6		1 8.0	1 8.2		10 76.6	4 41.1	6
Suicide (E950-E959)	1 6.3	1 7.7		3 14.1	3 14.2		2 15.9	2 16.4		2 15.3	2 20.5	
Homicide & legal intervention (E960-E978)	1 6.3	1 7.7		1 4.7	1 4.7							
All other external causes (E980-E999)							1 8.0	1 8.2		1 7.7	1 10.3	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	GALLATIN			GERMANTOWN			GREENEVILLE			HENDERSONVILLE		
	ALL RACES 17,932 No. Rate	WHITE 14,580 No. Rate	OTHER RACES 3,353 No. Rate	ALL RACES 20,310 No. Rate	WHITE 19,851 No. Rate	OTHER RACES 459 No. Rate	ALL RACES 14,218 No. Rate	WHITE 13,294 No. Rate	OTHER RACES 924 No. Rate	ALL RACES 27,916 No. Rate	WHITE 27,309 No. Rate	OTHER RACES 607 No. Rate
LIVE BIRTHS	321 17.9	245 16.8	76 22.7	270 13.3	254 12.8	16 34.9	160 11.3	147 11.1	13 14.1	378 13.5	359 13.1	19 31.3
ILLEGITIMATE BIRTHS	88 27.4	42 17.1	46 60.5	7 2.6	3 1.2	4 25.0	31 19.4	22 15.0	9 69.2	29 7.7	24 6.7	5 26.3
LOW WEIGHT BIRTHS (Less than 2500 grams)	30 9.3	19 7.8	11 14.5	8 3.0	7 2.8	1 6.2	17 10.6	16 10.9	1 7.7	30 7.9	27 7.5	3 15.8
INFANT DEATHS (Under one year of age)	4 12.5	2 8.2	2 26.3				1 6.2	1 6.8		2 5.3	2 5.6	
Neonatal Deaths (Under 28 days of age)	3 9.3	2 8.2	1 13.2				1 6.2	1 6.8		2 5.3	2 5.6	
Under 7 days of age	2	1	1				1	1		1	1	
7-27 days of age	1	1								1	1	
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 3.1			3 11.1	3 11.8		2 12.5	2 13.6		2 5.3	1 2.8	1 52.6
INDUCED ABORTIONS	50 155.8	41 167.3	9 118.4	71 263.0	68 267.7	3 187.5	89 536.2	80 544.2	9 692.3	87 230.2	87 242.3	
TOTAL DEATHS	200 11.2	156 10.7	44 13.1	63 3.1	62 3.1	1 2.2	163 11.5	153 11.5	10 10.8	113 4.0	112 4.1	1 1.6
CAUSE OF DEATH												
Shigellosis & amebiasis (004.006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)												
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)												
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)										1 3.6	1 3.7	
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)										2 7.2	2 7.3	
Malignant neoplasms (140-208)	41 228.6	28 192.0	13	19 93.5	19 95.7		30 211.0	27 203.1	3	31 111.0	31 113.5	
Lip, oral cavity & pharynx (140-149)	3 16.7	2 13.7	1	1 4.9	1 5.0							
Digestive organs & peritoneum (150-159)	7 39.0	5 34.3	2	4 19.7	4 20.2		5 35.2	5 37.6		6 21.5	6 22.0	
Respiratory & intrathoracic organs (160-165)	8 44.6	6 41.2	2	6 29.5	6 30.2		9 63.3	8 60.2	1	10 35.8	10 36.6	
Breast (174-175)	4 22.3		4	1 4.9	1 5.0					4 14.3	4 14.6	
Female genital organs (179-184)	3 16.7	2 13.7	1	1 4.9	1 5.0		2 14.1	2 15.0		2 7.2	2 7.3	
Male genital organs (185-187)	3 16.7	2 13.7	1				3 21.1	3 22.6		1 3.6	1 3.7	
Urinary organs (188-189)	2 11.2	2 13.7		2 9.8	2 10.1		2 14.1	1 7.5	1	4 14.3	4 14.6	
Other & unsp. sites (170-173, 190-199)	7 39.0	5 34.3	2	3 14.8	3 15.1		7 49.2	6 45.1	1	1 3.6	1 3.7	
Leukemia (204-208)	2 11.2	2 13.7		1 4.9	1 5.0							
Other lymphatic & hematopoietic tissue (200-203)	2 11.2	2 13.7					2 14.1	2 15.0		3 10.7	3 11.0	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)												
Diabetes mellitus (250)	1 5.6		1				7 49.2	6 45.1	1	1 3.6	1 3.7	
Nutritional deficiencies (260-269)												
Anemias (280-285)	1 5.6	1 6.9					1 7.0	1 7.5				
Meningitis (320-322)	1 5.6	1 6.9										
Diseases of heart (390-398, 402, 404-429)	65 362.5	53 363.5	12	20 98.5	20 100.8		77 541.6	72 541.6	5	37 132.5	37 135.5	
Rheumatic fever & rheumatic heart disease (390-398)												
Hypertensive heart disease (402)							2 14.1	2 15.0				
Hypertensive heart & renal disease (404)	1 5.6						1 7.0	1 7.5				
Ischemic heart disease (410-414)	42 234.2	35 240.1	7	16 78.8	16 80.6		57 400.9	54 406.2	3	26 93.1	26 95.2	
All other forms of heart disease (415-429)	22 122.7	18 123.5	4	4 19.7	4 20.2		17 119.6	15 112.8	2	11 39.4	11 40.3	
Hypertension, with or without renal disease (401, 403)	1 5.6	1 6.9										
Cerebrovascular disease (430-438)	21 117.1	14 96.0	7	5 24.6	5 25.2		1 7.0	1 7.5		8 28.7	8 29.3	
Atherosclerosis (440)	4 22.3	4 27.4					8 56.3	8 60.2		3 10.7	3 11.0	
Other diseases of arteries, arterioles & capillaries (441-448)	2 11.2	2 13.7					1 7.0	1 7.5				
Acute bronchitis & bronchiolitis (466)							1 7.0		1	1 3.6	1 3.7	
Pneumonia (480-486)	5 27.9	5 34.3		2 9.8	2 10.1		6 42.2	6 45.1		2 7.2	2 7.3	
Influenza (487)	1 5.6		1				1 7.0	1 7.5		1 3.6	1 3.7	
Bronchitis, chronic & unsp. (490-491)												
Emphysema (492)	1 5.6	1 6.9		1 4.9	1 5.0		1 7.0	1 7.5				
Asthma (493)							1 7.0	1 7.5				
Other chronic obstructive pulmonary disease & allied conditions (494-496)							1 7.0	1 7.5				
Ulcer of stomach & duodenum (531-533)				1 4.9	1 5.0		4 28.1	4 30.1		3 10.7	3 11.0	
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)	2 11.2	1 6.9	1				1 7.0	1 7.5				
Chronic liver disease & cirrhosis (571)	1 5.6	1 6.9					6 42.2	6 45.1		1 3.6	1 3.7	
Cholelithiasis & other disorders of gallbladder (574-575)	1 5.6	1 6.9					1 7.0	1 7.5		1 3.6	1 3.7	
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				1 4.9	1 5.0		1 7.0	1 7.5		1 3.6	1 3.7	
Infections of kidney (590)										1 3.6	1 3.7	
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)				2 9.8	1 5.0	1				1 3.6	1 3.7	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	1 5.6		1									
Other conditions originating in the perinatal period (760-766, 770-779)	1 5.6	1 6.9					1 7.0	1 7.5		1 3.6	1 3.7	
Symptoms, signs & ill-defined conditions (780-799)	4 22.3	2 13.7	2	4 19.7	4 20.2		8 56.3	8 60.2		7 25.1	7 25.6	
All other diseases	15 83.6	13 89.2	2							1 3.6	1 3.7	
Motor vehicle accidents (E810-E825)	6 33.5	5 34.3	1	3 14.8	3 15.1							
All other accidents & adverse effects (E800-E807, E826-E949)	13 72.5	11 75.4	2	4 19.7	4 20.2		2 14.1	2 15.0		3 10.7	2 7.3	1
Suicide (E950-E959)	6 33.5	5 34.3	1	1 4.9	1 5.0		2 14.1	2 15.0		4 14.3	4 14.6	
Homicide & legal intervention (E960-E978)	4 22.3	4 27.4					1 7.0	1 7.5		1 3.6	1 3.7	
All other external causes (E980-E999)							1 7.0	1 7.5		1 3.6	1 3.7	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	HUMBOLDT				JACKSON				JOHNSON CITY				KINGSPORT			
	All Races 10,131 No. Rate	White 6,406 No. Rate	Other Races 3,725 No. Rate		All Races 49,186 No. Rate	White 32,337 No. Rate	Other Races 16,849 No. Rate		All Races 42,732 No. Rate	White 39,725 No. Rate	Other Races 3,007 No. Rate		All Races 32,249 No. Rate	White 30,293 No. Rate	Other Races 1,956 No. Rate	
LIVE BIRTHS	163 16.1	76 11.9	87 23.4		823 16.7	429 13.3	394 23.4		538 12.6	477 12.0	61 20.3		367 11.4	337 11.1	30 15.3	
ILLEGITIMATE BIRTHS	60 36.8	6 7.9	54 62.1		264 32.1	36 8.4	228 57.9		103 19.1	71 14.9	32 52.5		57 15.5	49 14.5	8 26.7	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	21 12.9	7 9.2	14 16.1		70 8.5	28 6.5	42 10.7		43 8.0	29 6.1	14 23.0		30 8.2	26 7.7	4 13.3	
INFANT DEATHS (Under one year of age)	4 24.5	3 39.5	1 11.5		6 7.3	3 7.0	3 7.6		10 18.6	6 12.6	4 65.6		7 19.1	7 20.8		
Neonatal Deaths (Under 28 days of age)	2 12.3	2 26.3			3 3.6	2 4.7	1 2.5		5 9.3	2 4.2	3 49.2		6 16.3	6 17.9		
Under 7 days of age	2	2			2	1	1		5	2	3		6	6		
7-27 days of age					1	1										
MATERNAL DEATHS (ICD codes 630-676)																
FETAL DEATHS					8 9.7	2 4.7	6 15.2		9 16.7	6 12.6	3 49.2		6 16.3	6 17.8		
INDUCED ABORTIONS	32 196.3	19 250.0	12 137.9		269 326.9	168 391.6	101 256.3		209 388.5	200 419.3	9 147.5		229 624.0	220 652.8	8 266.7	
TOTAL DEATHS	129 12.7	88 13.7	41 11.0		526 10.7	367 11.3	159 9.4		431 10.1	401 10.1	30 10.0		359 11.1	341 11.3	18 9.2	
CAUSE OF DEATH																
Shigellosis & amebiasis (004-066)																
Certain other intestinal infections (007-009)																
Tuberculosis, all forms (010-018)					2 4.1		2 11.9		1 2.3	1 2.5						
Whooping cough (033)																
Streptococcal sore throat, scarlatina & erysipelas (034-035)																
Meningococcal infection (036)	1 9.9	1 15.6														
Septicemia (038)	1 9.9	1 15.6			2 4.1	1 3.1	1 5.9						1 3.1	1 3.3		
Acute poliomyelitis (045)																
Viral encephalitis (049.8-049.9, 062-064)	1 9.9	1 15.6														
Measles (055)																
Viral hepatitis (070)																
Rocky Mtn. spotted fever (082.0)																
Syphilis (090-097)																
All other infectious & parasitic diseases (remainder of 001-139)					1 2.0	1 3.1										
Malignant neoplasms (140-208)	19 187.5	14 218.5	5		111 225.7	77 238.1	34 201.8		78 182.5	74 186.3	4		70 217.1	63 208.0	7	
Lip, oral cavity & pharynx (140-149)					1 2.0	1 3.1			1 2.3	1 2.5			1 3.1	1 3.3		
Digestive organs & peritoneum (150-159)	2 19.7	1 15.6	1		33 67.1	23 71.1	10 59.4		20 46.8	19 47.8	1		12 37.2	10 33.0	2	
Respiratory & intrathoracic organs (160-165)	6 59.2	6 93.7			33 67.1	26 80.4	7 41.5		25 58.5	24 60.4	1		23 71.3	19 62.7	4	
Breast (174-175)	1 9.9				10 20.3	6 18.6	4 23.7		6 14.0	6 15.1			4 12.4	4 13.2		
Female genital organs (179-184)	1 9.9	1 15.6	1		5 10.2	2 6.2	3 17.8		2 4.7	2 5.0			4 12.4	4 13.2		
Male genital organs (185-187)	3 29.6	1 15.6	2		9 18.3	3 9.3	6 35.6		4 9.4	3 7.6	1		2 6.2	2 6.6		
Urinary organs (188-189)	1 9.9	1 15.6			1 2.0	1 3.1			4 9.4	4 10.1			2 6.2	2 6.6		
Other & unsp. sites (170-173, 190-199)	1 9.9	1 15.6			10 20.3	8 24.7	2 11.9		9 21.1	9 22.7			15 46.5	15 49.5		
Leukemia (204-208)	2 19.7	1 15.6	1		4 8.1	3 9.3	1 5.9		2 4.7	2 5.0			2 6.2	2 6.6		
Other lymphatic & hematopoietic tissue (200-203)	2 19.7	2 31.2			5 10.2	4 12.4	1 5.9		5 11.7	4 10.1	1		5 15.5	4 13.2	1	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)					2 4.1	1 3.1	1 5.9		1 2.3	1 2.5			3 9.3	3 9.9		
Diabetes mellitus (250)	4 39.5	3 46.8	1		8 16.3	5 15.5	3 17.8		4 9.4	4 10.1			8 24.8	8 26.4		
Nutritional deficiencies (260-269)					2 4.1	1 3.1	1 5.9		1 2.3	1 2.5						
Anemias (280-285)					2 4.1	2 6.2			1 2.3	1 2.5						
Meningitis (320-322)					1 2.0		1 5.9									
Diseases of heart (390-398, 402, 404-429)	53 523.1	33 515.1	20		169 343.6	121 374.2	48 284.9		159 372.1	146 367.5	13		136 421.7	131 432.4	5	
Rheumatic fever & rheumatic heart disease (390-398)					1 2.0	1 3.1			4 9.4	4 10.1			2 6.2	2 6.6		
Hypertensive heart disease (402)					3 6.1	2 6.2	1 5.9		6 14.0	6 15.1			4 12.4	4 13.2		
Hypertensive heart & renal disease (404)					1 2.0		1 5.9						1 3.1	1 3.3		
Ischemic heart disease (410-414)	44 434.3	26 405.9	18		129 262.3	95 293.8	34 201.8		98 229.3	89 224.0	9		107 331.8	102 336.7	5	
All other forms of heart disease (415-429)	9 88.8	7 109.3	2		35 71.2	23 71.1	12 71.2		51 119.3	47 118.3	4		22 68.2	22 72.6		
Hypertension, with or without renal disease (401, 403)	1 9.9	1 15.6			2 4.1	1 3.1	1 5.9		2 4.7	2 5.0			4 12.4	4 13.2		
Cerebrovascular disease (430-438)	16 157.9	9 140.5	7		72 146.4	49 151.5	23 136.5		43 100.6	39 98.2	4		32 99.2	29 95.7	3	
Atherosclerosis (440)	3 29.6	2 31.2	1		13 26.4	10 30.9	3 17.8		7 16.4	7 17.6			4 12.4	4 13.2		
Other diseases of arteries, arterioles & capillaries (441-448)					8 16.3	8 24.7			3 7.0	3 7.6			1 3.1	1 3.3		
Acute bronchitis & bronchiolitis (466)																
Pneumonia (480-486)	4 39.5	3 46.8	1		13 26.4	9 27.8	4 23.7		13 30.4	13 32.7			16 49.6	16 52.8		
Influenza (487)					3 6.1	3 9.3										
Bronchitis, chronic & unsp. (490-491)	2 19.7	2 31.2			1 2.0	1 3.1			1 2.3	1 2.5			1 3.1	1 3.3		
Emphysema (492)					5 10.2	5 15.5			1 2.3	1 2.5			4 12.4	4 13.2		
Asthma (493)									1 2.3	1 2.5						
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 39.5	4 62.4			10 20.3	5 15.5	5 29.7		16 37.4	16 40.3			11 34.1	10 33.0	1	
Ulcer of stomach & duodenum (531-533)					1 2.0		1 5.9		3 7.0	3 7.6			1 3.1	1 3.3		
Appendicitis (540-543)																
Hernia & intestinal obstruction (550-553, 560)					4 8.1	3 9.3	1 5.9						2 6.2	1 3.3	1	
Chronic liver disease & cirrhosis (571)	3 29.6	2 31.2	1		4 8.1	3 9.3	1 5.9		6 14.0	6 15.1			3 9.3	3 9.9		
Cholelithiasis & other disorders of gallbladder (574-575)													1 3.1	1 3.3		
Acute glomerulonephritis & nephrotic syndrome (580-581)																
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)					2 4.1	2 6.2			1 2.3	1 2.5						
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)					5 10.2	5 15.5			1 2.3	1 2.5			2 6.2	2 6.6		
Infections of kidney (590)					1 2.0	1 3.1							1 3.1	1 3.3		
Hyperplasia of prostate (600)																
Complications of pregnancy, childbirth & the puerperium (630-676)																
Congenital anomalies (740-759)									1 2.3	1 2.5			3 9.3	3 9.9		
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)					1 2.0	1 3.1			2 4.7	1 2.5	1		2 6.2	2 6.6		
Other conditions originating in the perinatal period (760-766, 770-779)	2 19.7	2 31.2			1 2.0		1 5.9		3 7.0	1 2.5	2		2 6.2	2 6.6		
Symptoms, signs & ill-defined conditions (780-799)	2 19.7		2		5 10.2	1 3.1	4 23.7		29 67.9	26 65.4	3					
All other diseases	6 59.2	3 46.8	3		35 71.2	22 68.0	13 77.2		27 63.2	26 65.4	1		23 71.3	23 75.9		
Motor vehicle accidents (E810-E825)	2 19.7	2 31.2			16 32.5	14 43.3	2 11.9		9 21.1	9 22.7			7 21.7	7 23.1		
All other accidents & adverse effects (E830-E807, E826-E849)	4 39.5	4 62.4			13 26.4	9 27.8	4 23.7		12 28.1	11 27.7	1		12 37.2	12 39.6		
Suicide (E950-E959)	1 9.9	1 15.6			1 2.0	1 3.1			3 7.0	3 7.6			6 16.5	5 16.5	1	
Homicide & legal intervention (E960-E978)					10 20.3	5 15.5	5 29.7		2 4.7	1 2.5	1		2 6.2	2 6.6		
All other external causes (E980-E999)									1 2.3	1 2.5			1 3.1	1 3.3		

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	KNOXVILLE			LAWRENCEBURG			LEBANON			MCMINNVILLE		
	ALL RACES	WHITE	OTHER RACES	ALL RACES	WHITE	OTHER RACES	ALL RACES	WHITE	OTHER RACES	ALL RACES	WHITE	OTHER RACES
	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate	No. Rate
LIVE BIRTHS	2,455 14.0	1,868 12.6	586 21.3	124 12.0	120 12.1	4 9.7	201 16.2	152 14.8	49 23.6	182 16.7	166 16.1	16 29.3
ILLEGITIMATE BIRTHS	602 24.5	246 13.2	356 60.8	19 15.3	15 12.5	4	51 25.4	19 12.5	32 65.3	26 14.3	19 11.4	7 43.8
LOW-WEIGHT BIRTHS (Less than 2500 grams)	177 7.2	95 5.1	81 13.8	11 8.9	11 9.2	.....	9 4.5	6 3.9	3 6.1	11 6.0	7 4.2	4 25.0
INFANT DEATHS (Under one year of age)	38 15.5	27 14.5	11 18.8	.....	.....	.....	2 10.0	1 6.6	1 20.4	2 11.0	1 6.0	1 62.5
Neonatal Deaths (Under 28 days of age)	26 10.6	18 9.6	8 13.7	.....	.....	.....	1 5.0	.....	1 20.4	1 5.5	1 6.0	.....
Under 7 days of age	19	15 .....	.....	.....	.....	.....	1 .....	.....	1	1	1 .....	.....
7-27 days of age	7	3	4 .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MATERNAL DEATHS (ICD codes 630-676) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
FETAL DEATHS	23 9.4	16 8.6	7 11.9	2 16.1	2 16.7	.....	2 10.0	1 6.6	1 20.4	1 5.5	1 6.0	.....
INDUCED ABORTIONS	1,921 782.5	1,622 868.3	297 506.8	21 169.4	21 175.0	.....	58 288.6	48 315.8	10 204.1	44 241.8	42 253.0	2 125
TOTAL DEATHS	1,904 10.9	1,600 10.8	304 11.0	129 12.5	124 12.5	5 12.1	160 12.9	137 13.3	23 11.1	125 11.5	118 11.4	7 12.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Certain other intestinal infections (007-009) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis, all forms (010-018) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whooping cough (033) .....	.....	.....	.....	.....	.....	.....	1 8.1	1 9.7	.....	.....	.....	.....
Streptococcal sore throat, scarlatina & erysipelas (034-035) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Meningococcal infection (036) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Septicemia (038)	4 2.3	4 2.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Acute poliomyelitis (045) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Viral encephalitis (049.8-049.9, 062-064) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles (055) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rocky Mtn. spotted fever (082.0)	1 0.6	1 0.7	.....	.....	.....	.....	1 8.1	1 9.7	.....	.....	.....	.....
Syphilis (090-097) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
All other infectious & parasitic diseases (remainder of 001-139) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Malignant neoplasms (140-208)	373 212.7	318 215.1	55 199.7	37 358.2	36 363.0	1	26 210.2	25 242.8	1	19 174.7	18 174.3	1
lip, oral cavity & pharynx (140-149)	12 6.8	9 6.1	3 10.9	.....	.....	.....	.....	.....	.....	.....	.....	.....
Digestive organs & peritoneum (150-159)	75 42.8	61 41.3	14 50.8	10 96.8	9 90.8	1	5 40.4	4 38.8	1	4 36.8	4 38.7	.....
Respiratory & intrathoracic organs (160-165)	128 73.0	110 74.4	18 65.3	7 67.8	7 70.6	.....	11 88.9	11 106.8	.....	6 55.2	5 48.4	1
Breast (174-175)	29 16.5	26 17.6	3 10.9	3 29.0	3 30.3	.....	1 8.1	1 9.7	.....	1 9.2	1 9.7	.....
Female genital organs (179-184)	22 12.5	18 12.2	4 14.5	3 29.0	3 30.3	.....	1 8.1	1 9.7	.....	1 9.2	1 9.7	.....
Male genital organs (185-187)	26 14.8	20 13.5	6 21.8	3 29.0	3 30.3	.....	1 8.1	1 9.7	.....	1 9.2	1 9.7	.....
Urinary organs (188-189)	12 6.8	11 7.4	1 3.6	1 9.7	1 10.1	.....	1 8.1	1 9.7	.....	1 9.2	1 9.7	.....
Other & unsp. sites (170-173, 190-199)	36 20.5	32 21.6	4 14.5	6 58.1	6 60.5	.....	4 32.3	4 38.8	.....	1 9.2	1 9.7	.....
Leukemia (204-208)	13 7.4	12 8.1	1 3.6	1 9.7	1 10.1	.....	1 8.1	1 9.7	.....	.....	.....	.....
Other lymphatic & hematopoietic tissue (200-203)	20 11.4	19 12.9	1 3.6	3 29.0	3 30.3	.....	1 8.1	1 9.7	.....	1 9.2	1 9.7	.....
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	4 2.3	3 2.0	1 3.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diabetes mellitus (250)	26 14.8	21 14.2	5 18.2	1 9.7	1 10.1	.....	3 24.3	3 29.1	.....	2 18.4	2 19.4	.....
Nutritional deficiencies (260-269)	4 2.3	4 2.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anemias (280-285)	2 1.1	.....	2 7.3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Neurinings (320-322)	1 0.6	1 0.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Diseases of heart (390-398, 402, 404-429)	694 395.7	592 400.5	102 370.3	55 532.5	52 524.4	3	59 476.9	50 485.6	9	54 496.6	52 503.5	2
Rheumatic fever & rheumatic heart disease (390-398)	2 1.1	2 1.4	.....	.....	.....	.....	3 24.3	2 19.4	1 .....	.....	.....	.....
Hypertensive heart disease (402)	29 16.5	13 8.8	16 58.1	.....	.....	.....	.....	.....	.....	1 9.2	1 9.7	.....
Hypertensive heart & renal disease (404)	2 1.1	1 0.7	1 3.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ischemic heart disease (410-414)	507 289.1	453 306.4	54 196.0	45 435.7	42 423.6	3	44 355.7	37 359.3	7	34 312.7	34 329.2	.....
All other forms of heart disease (415-429)	154 87.8	123 83.2	31 112.5	10 96.8	10 100.8	.....	12 97.0	11 106.8	1	19 174.7	17 164.6	2
Hypertension, with or without renal disease (401, 403)	12 6.8	6 4.1	6 21.8	.....	.....	.....	.....	.....	.....	1 9.2	1 9.7	.....
Cerebrovascular disease (430-438)	205 116.9	172 116.4	33 119.8	13 125.9	13 131.1	.....	22 177.8	19 184.5	3	13 119.6	12 116.2	1
Atherosclerosis (440)	27 15.4	21 14.2	6 21.8	.....	.....	.....	3 24.3	3 29.1	.....	1 9.2	.....	.....
Other diseases of arteries, arterioles & capillaries (441-448)	19 10.8	18 12.2	1 3.6	.....	.....	.....	1 8.1	1 9.7	.....	3 27.6	3 29.1	.....
Acute bronchitis & bronchiolitis (466)	1 0.6	1 0.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pneumonia (480-486)	45 25.7	41 27.7	4 14.5	2 19.4	2 20.2	.....	9 72.8	9 87.4	.....	3 27.6	3 29.1	.....
Influenza (487)	4 2.3	3 2.0	1 3.6	2 19.4	2 20.2	.....	.....	.....	.....	2 18.4	2 19.4	.....
Bronchitis, chronic & unsp. (490-491)	8 4.6	8 5.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Erysipelas (492)	17 9.7	16 10.8	1 3.6	1 9.7	1 10.1	.....	2 16.2	1 9.7	1	1 9.2	1 9.7	.....
Asthma (493)	2 1.1	1 0.7	1 3.6	1 9.7	1 10.1	.....	.....	.....	.....	2 18.4	2 19.4	.....
Other chronic obstructive pulmonary disease & allied conditions (494-496)	43 24.5	38 25.7	5 18.2	2 19.4	2 20.2	.....	1 8.1	1 9.7	.....	5 46.0	5 48.4	.....
Ulcer of stomach & duodenum (531-533)	6 3.4	5 3.4	1 3.6	.....	.....	.....	.....	.....	.....	.....	.....	.....
Appendicitis (540-543) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hernia & intestinal obstruction (550-553, 560)	3 1.7	3 2.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic liver disease & cirrhosis (571)	20 11.4	17 11.5	3 10.9	.....	.....	.....	2 16.2	2 19.4	.....	.....	.....	.....
Cholelithiasis & other disorders of gallbladder (574-575)	6 3.4	6 4.1	.....	1 9.7	1 10.1	.....	.....	.....	.....	.....	.....	.....
Acute glomerulonephritis & nephrotic syndrome (580-581)	1 0.6	1 0.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1 9.2	1 9.7	.....
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Infections of kidney (590)	9 5.1	6 4.1	3 10.9	2 19.4	2 20.2	.....	4 32.3	2 19.4	2	1 9.2	1 9.7	.....
Hyperplasia of prostate (600) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Complications of pregnancy, childbirth & the puerperium (630-676) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Congenital anomalies (740-759)	12 6.8	9 6.1	3 10.9	.....	.....	.....	2 16.2	2 19.4	.....	1 9.2	1 9.7	.....
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	11 6.3	6 4.1	5 18.2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other conditions originating in the perinatal period (760-766, 770-779)	11 6.3	9 6.1	2 7.3	.....	.....	.....	1 8.1	.....	1	1 9.2	1 9.7	.....
Symptoms, signs & ill-defined conditions (780-799)	118 67.3	92 62.2	26 94.4	.....	.....	.....	1 8.1	.....	1 .....	.....	.....	.....
All other diseases	111 63.3	97 65.6	14 50.8	5 48.4	5 50.4	.....	7 56.6	5 48.6	2	9 82.8	8 77.5	1
Motor vehicle accidents (E810-E825)	27 15.4	22 14.9	5 18.2	.....	.....	.....	3 24.3	3 29.1	.....	.....	.....	.....
All other accidents & adverse effects (E800-E807, E826-E949)	34 19.4	31 21.0	3 10.9	.....	.....	.....	4 32.3	3 29.1	1	3 27.6	2 19.4	1
Suicide (E950-E959)	20 11.4	17 11.5	3 10.9	4 38.7	4 40.3	.....	5 40.4	5 48.6	.....	1 9.2	1 9.7	.....
Homicide & legal intervention (E960-E978)	22 12.5	10 6.8	12 43.6	3 29.0	2 20.2	1	3 24.3	1 9.7	2	2 18.4	2 19.4	
All other external causes (E980-E999)	1 0.6		1 3.6									

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Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	MARYVILLE			MEMPHIS			MILLINGTON			MORRISTOWN		
	ALL RACES 17,788 No. Rate	WHITE 17,228 No. Rate	OTHER RACES 560 No. Rate	ALL RACES 643,813 No. Rate	WHITE 331,293 No. Rate	OTHER RACES 312,520 No. Rate	ALL RACES 20,109 No. Rate	WHITE 16,670 No. Rate	OTHER RACES 3,439 No. Rate	ALL RACES 20,073 No. Rate	WHITE 18,132 No. Rate	OTHER RACES 1,941 No. Rate
LIVE BIRTHS	238 13.4	228 13.2	10 17.9	11,655 18.1	4,479 13.5	7,174 23.0	426 21.2	297 17.8	129 37.5	275 13.7	255 14.1	20 10.3
ILLEGITIMATE BIRTHS	49 20.6	45 19.7	4 40.0	4,619 39.6	333 7.4	4,285 59.7	86 20.2	31 10.4	55 42.6	63 22.9	52 20.4	11 55.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	15 6.3	15 6.6		1,328 11.4	308 8.9	1,020 14.2	33 7.7	20 6.7	13 10.1	17 6.2	13 5.1	4 20.0
INFANT DEATHS (Under one year of age)	7 29.4	7 30.7		213 18.3	40 8.9	173 24.1	7 16.4	7 23.6		5 18.2	5 19.6	
Neonatal Deaths (Under 28 days of age)	6 25.2	6 26.3		159 13.6	30 6.7	129 18.0	4 9.4	4 13.5		5 18.2	5 19.6	
Under 7 days of age	3	3		134	25	109	4	4		5	5	
7-27 days of age	3	3		25	5	20						
MATERNAL DEATHS (ICD codes 630-676)												
FETAL DEATHS	1 4.2	1 4.4		104 8.9	23 5.1	81 11.3	6 14.1	5 16.8	1 7.8	2 7.3	1 3.9	1 50.0
INDUCED ABORTIONS	177 743.7	172 754.4	5 500.0	4,187 359.2	2,121 473.5	2,062 287.4	101 237.1	77 259.3	24 186.0	126 458.2	107 419.6	19 950.0
TOTAL DEATHS	201 11.3	197 11.4	4 7.1	6,207 9.6	3,417 10.3	2,788 8.9	73 3.6	64 3.8	9 2.6	236 11.8	213 11.7	23 11.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)				5 0.8	1 0.3	4 1.3				2 10.0	2 11.0	
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)				1 0.2		1 0.3						
Septicemia (038)				31 4.8	7 2.1	24 7.7						
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)				5 0.8	4 1.2	1 0.3						
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)				17 2.6	9 2.7	8 2.6				2 10.9	2 11.0	
Malignant neoplasms (140-208)	45 253.0	43 249.6	2	1,392 216.2	812 245.1	580 185.6	11 54.7	10 60.0	1	44 219.2	38 209.6	6
Lip, oral cavity & pharynx (140-149)				22 3.4	12 3.6	10 3.2	1 5.0			1 5.0	1 5.5	
Digestive organs & peritoneum (150-159)	16 89.9	14 81.3	2	350 54.4	199 60.1	151 48.3	1 5.0	1 6.0		13 64.8	11 60.7	2
Respiratory & intrathoracic organs (160-165)	8 45.0	8 46.4		398 61.8	233 70.3	165 52.8	6 29.8	6 36.0		10 49.8	8 44.1	2
Breast (174-175)	3 16.9	3 17.4		118 18.3	75 22.6	43 13.8	1 5.0	1 6.0		4 19.9	3 16.5	1
Female genital organs (179-184)	1 5.6	1 5.8		67 10.4	39 11.8	28 9.0				3 14.9	3 16.5	
Male genital organs (185-187)	2 11.2	2 11.6		92 14.3	42 12.7	50 16.0						
Urinary organs (188-189)	3 16.9	3 17.4		55 8.5	35 10.6	20 6.4	1 5.0	1 6.0		4 19.9	4 22.1	
Other & unsp. sites (170-173, 190-199)	5 28.1	5 29.0		181 28.1	103 31.1	78 25.0				8 39.9	7 38.6	1
Leukemia (204-208)	3 16.9	3 17.4		45 7.0	32 9.7	13 4.2				1 5.0	1 5.5	
Other lymphatic & hematopoietic tissue (200-203)	4 22.5	4 23.2		64 9.9	42 12.7	22 7.0	1 5.0	1 6.0				
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	2 11.2	2 11.6		21 3.3	14 4.2	7 2.2	1 5.0	1 6.0				
Diabetes mellitus (250)	3 16.9	3 17.4		89 13.8	33 10.0	56 17.9	1 5.0	1 6.0		3 14.9	1 5.5	2
Nutritional deficiencies (260-269)				1 0.2	1 0.3					1 5.0	1 5.5	
Anemias (280-285)	1 5.6	1 5.8		13 2.0	6 1.8	7 2.2						
Meningitis (320-322)				7 1.1	2 0.6	5 1.6						
Diseases of heart (390-398, 402, 404-429)	53 298.0	52 301.8	1	2,167 336.6	1,237 373.4	930 297.6	25 124.3	20 120.0	5	90 448.4	85 468.8	5
Rheumatic fever & rheumatic heart disease (390-398)				13 2.0	11 3.3	2 0.6	1 5.0	1 6.0				
Hypertensive heart disease (402)	3 16.9	3 17.4		122 18.9	31 9.4	91 29.1	1 5.0	1 6.0		2 10.0	1 5.5	1
Hypertensive heart & renal disease (404)	1 5.6	1 5.8		7 1.1	3 0.9	4 1.3						
Ischemic heart disease (410-414)	43 241.7	42 243.8	1	1,238 192.3	882 266.2	356 113.9	11 54.7	10 60.0	1	78 388.6	74 408.1	4
All other forms of heart disease (415-429)	6 33.7	6 34.8		787 122.2	310 93.6	477 152.6	12 59.7	8 48.0	4	10 49.8	10 55.2	
Hypertension, with or without renal disease (401, 403)	1 5.6	1 5.8		27 4.2	15 4.5	12 3.8	1 5.0	1 6.0				
Cerebrovascular disease (430-438)	27 151.8	27 156.7		618 96.0	328 99.0	290 92.8	7 34.8	6 36.0	1	45 224.2	41 226.1	4
Atherosclerosis (440)	7 39.4	7 40.6		105 16.3	64 19.3	41 13.1				3 14.9	3 16.5	
Other diseases of arteries, arterioles & capillaries (441-448)	2 11.2	2 11.6		45 7.0	30 9.1	15 4.8				1 5.0	1 5.5	
Acute bronchitis & bronchiolitis (465)				1 0.2		1 0.3						
Pneumonia (480-486)	7 39.4	7 40.6		147 22.8	81 24.4	66 21.1	2 9.9	2 12.0		5 24.9	5 27.6	
Influenza (487)	1 5.6	1 5.8		10 1.6	8 2.4	2 0.6						
Bronchitis, chronic & unsp. (490-491)				16 2.5	14 4.2	2 0.6	1 5.0	1 6.0				
Emphysema (492)	3 16.9	3 17.4		28 4.3	24 7.2	4 1.3	1 5.0	1 6.0				
Asthma (493)				7 1.1		7 2.2						
Other chronic obstructive pulmonary disease & allied conditions (494-496)	5 28.1	5 29.0		139 21.6	108 32.6	31 9.9	1 5.0	1 6.0		3 14.9	2 11.0	1
Ulcer of stomach & duodenum (531-533)				16 2.5	11 3.3	5 1.6						
Appendicitis (540-543)				2 0.3	1 0.3	1 0.3						
Hernia & intestinal obstruction (550-553, 560)	1 5.6	1 5.8		18 2.8	8 2.4	10 3.2						
Chronic liver disease & cirrhosis (571)	1 5.6	1 5.8		65 10.1	35 10.6	30 9.6				7 34.9	7 38.6	
Cholelithiasis & other disorders of gallbladder (574-575)				7 1.1	5 1.5	2 0.6				1 5.0		1
Acute glomerulonephritis & nephrotic syndrome (580-581)				2 0.3	1 0.3	1 0.3						
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)				20 3.1	8 2.4	12 3.8						
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				29 4.5	12 3.6	17 5.4	1 5.0	1 6.0		1 5.0	1 5.5	
Infections of kidney (590)				6 0.9	6 1.8							
Hyperplasia of prostate (600)	3			3 0.5	2 0.6	1 0.3						
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)	6 33.7	6 34.8		47 7.3	20 6.0	27 8.6				2 10.0	2 11.0	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				24 3.7	4 1.2	20 6.4	1 5.0	1 6.0		2 10.0	2 11.0	
Other conditions originating in the perinatal period (760-766, 770-779)	1 5.6	1 5.8		105 16.3	17 5.1	88 28.2	3 14.9	3 18.0		2 10.0	2 11.0	
Symptoms, signs & ill-defined conditions (780-799)	6 33.7	6 34.8		42 6.5	7 2.1	34 10.9				6 29.9	5 27.6	1
All other diseases	13 73.1	12 69.7	1	417 64.8	219 66.1	198 63.4	7 34.8	6 36.0	1			
Motor vehicle accidents (E810-E825)	5 28.1	5 29.0		111 17.2	67 20.2	44 14.1	4 19.9	4 24.0		8 39.9	6 33.1	2
All other accidents & adverse effects (E800-E807, E826-E849)	5 28.1	5 29.0		157 24.4	86 26.0	71 22.7	1 5.0	1 6.0		5 24.9	5 27.6	
Suicide (E950-E959)	3 16.9	3 17.4		93 14.4	73 22.0	19 6.1	4 19.9	4 24.0		1 5.0	1 5.5	
Homicide & legal intervention (E960-E978)	3 16.9	3 17.4		147 22.8	34 10.3	113 36.2	1 5.0		1	2 10.0	1 5.5	1
All other external causes (E980-E999)				4 0.6	3 0.9	1 0.3						

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	MURFREESBORO						NASHVILLE						OAK RIDGE						PARIS					
	ALL RACES		WHITE		OTHER RACES		ALL RACES		WHITE		OTHER RACES		ALL RACES		WHITE		OTHER RACES		ALL RACES		WHITE		OTHER RACES	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate		
LIVE BIRTHS	467	14.0	359	12.9	108	19.8	7,225	15.2	5,052	13.8	2,172	19.6	268	9.6	232	9.1	36	14.3	133	12.2	98	11.2	35	16.1
ILLEGITIMATE BIRTHS	101	21.6	42	11.7	59	54.6	1,810	25.1	580	11.5	1,230	56.6	43	16.0	23	9.9	20	55.6	34	25.6	13	13.3	21	60.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	41	8.8	26	7.2	15	13.9	613	8.5	338	6.7	275	12.7	19	7.1	16	6.9	3	8.3	9	6.8	8	8.2	1	2.9
INFANT DEATHS (Under one year of age)	9	19.3	5	13.9	4	37.0	98	13.6	55	10.9	43	19.8	3	11.2	3	12.9			2	15.0	1	10.2	1	28.6
Neonatal Deaths (Under 28 days of age)	9	19.3	5	13.9	4	37.0	74	10.2	42	8.3	32	14.7	1	3.7	1	4.3								
Under 7 days of age	7		4		3		63		38		25													
7-27 days of age	2		1		1		11		4		7		1		1									
MATERNAL DEATHS (ICD codes 630-676)							1	1.4	1	2.0														
FETAL DEATHS	8	17.1	6	16.7	2	18.5	78	10.8	48	9.5	30	13.8	3	11.2	3	12.9			1	7.5	1	10.2		
INDUCED ABORTIONS	241	516.1	210	585.0	31	287.0	2,756	381.5	1,925	381.0	824	379.4	117	436.6	106	456.9	11	305.6	32	240.6	22	224.5	10	285.7
TOTAL DEATHS	251	7.5	205	7.3	46	8.5	4,103	8.6	3,138	8.6	964	8.7	202	7.2	189	7.4	13	5.2	164	15.1	136	15.6	28	12.9
CAUSE OF DEATH																								
Shigellosis & amebiasis (004, 006)																								
Certain other intestinal infections (007-009)																								
Tuberculosis, all forms (010-018)	2	6.0	1	3.6	1	18.4	2	0.4	1	0.3	1	0.9	1	3.6	1	3.9			1	9.2			1	
Whooping cough (053)																								
Streptococcal sore throat, scarlatina & erysipelas (034-035)																								
Meningococcal infection (036)							1	0.2	1	0.3														
Septicemia (038)							9	1.9	5	1.4	4	3.6	1	3.6	1	3.9								
Acute poliomyelitis (045)																								
Viral encephalitis (049.8-049.9, 062-064)							1	0.2	1	0.3														
Measles (055)																								
Viral hepatitis (070)							5	1.1	5	1.4														
Rocky Mtn. spotted fever (082.0)																								
Syphilis (090-097)																								
All other infectious & parasitic diseases (remainder of 001-139)							7	1.5	7	1.9			1	3.6	1	3.9			1	9.2	1	11.5		
Malignant neoplasms (140-208)	50	149.8	39	139.6	11	202.1	906	190.5	694	190.2	212	191.3	46	164.8	43	169.4	3		30	275.3	22	252.1	8	
Lip, oral cavity & pharynx (140-149)	1	3.0			1	18.4	31	6.5	21	5.8	10	9.0	2	7.2	2	7.9								
Digestive organs & peritoneum (150-159)	12	36.0	9	32.2	3	55.1	219	46.0	156	42.8	63	56.8	11	39.4	10	39.4	1		12	110.1	9	103.2	3	
Respiratory & intrathoracic organs (160-165)	13	38.9	12	43.0	1	18.4	258	54.2	201	55.1	57	51.4	14	50.2	13	51.2	1		6	55.1	4	45.8	2	
Breast (174-175)	5	15.0	3	10.7	2	36.8	75	15.8	61	16.7	14	12.6	6	21.5	5	19.7	1		4	36.7	3	34.4	1	
Female genital organs (179-184)	1	3.0	1	3.6			42	8.8	32	8.8	10	9.0	2	7.2	2	7.9			1	9.2	1	11.5		
Male genital organs (185-187)	7	21.0	6	21.5	1	18.4	57	12.0	35	9.6	22	19.8	1	3.6	1	3.9			2	18.4	2	22.9		
Urinary organs (188-189)	2	6.0	1	3.6	1	18.4	27	5.7	22	6.0	5	4.5	3	10.7	3	11.8								
Other & unsp. sites (170-173, 190-199)	5	15.0	3	10.7	2	36.8	98	20.6	80	21.9	18	16.2	2	7.2	2	7.9			2	18.4	2	22.9		
Leukemia (204-208)	3	9.0	3	10.7			32	6.7	25	6.9	7	6.3	1	3.6	1	3.9			1	9.2	1	11.5		
Other lymphatic & hematopoietic tissue (209-209)																								
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	1	3.0	1	3.6			67	14.1	61	16.7	6	5.4	4	14.3	4	15.8			2	18.4			2	
Diabetes mellitus (250)	4	12.0	2	7.2	2	36.8	71	14.9	48	13.2	23	20.8	3	10.7	1	3.9	2		4	36.7	4	45.8		
Nutritional deficiencies (260-269)	1	3.0	1	3.6			6	1.3	3	0.8	3	2.7												
Anemias (280-285)	1	3.0	1	3.6			4	0.8	2	0.5	2	1.8	1	3.6	1	3.9			1	9.2			1	
Meningitis (320-322)							6	1.3	3	0.8	3	2.7												
Diseases of heart (390-398, 402, 404-429)	89	266.7	76	272.1	13	238.9	1,452	305.3	1,145	313.8	306	276.1	54	193.5	53	208.7	1		56	513.9	46	527.2	10	
Rheumatic fever & rheumatic heart disease (390-398)							17	3.6	14	3.8	3	2.7	2	7.2	2	7.9								
Hypertensive heart disease (402)	5	15.0	2	7.2	3	55.1	91	19.1	38	10.4	53	47.8							1	9.2	1	11.5		
Hypertensive heart & renal disease (404)							9	1.9	7	1.9	2	1.8												
Ischemic heart disease (410-414)	67	200.7	60	214.8	7	128.6	1,082	227.5	887	243.1	194	175.0	38	136.2	37	145.7	1		46	422.1	36	412.6	10	
All other forms of heart disease (415-429)	17	50.9	14	50.1	3	55.1	253	53.2	199	54.5	54	48.7	14	50.2	14	55.1			9	82.6	9	103.2		
Hypertension, with or without renal disease (401, 403)	4	12.0	1	3.6	3	55.1	13	2.7	7	1.9	6	5.4	1	3.6	1	3.9			1	9.2	1	11.5		
Cerebrovascular disease (430-438)	27	80.9	23	82.3	4	73.5	411	86.4	299	82.0	112	101.1	18	64.5	18	70.9			21	192.7	20	229.2	1	
Atherosclerosis (440)	3	9.0	3	10.7			67	14.1	62	17.0	5	4.5	2	7.2	2	7.9			5	45.9	5	57.3		
Other diseases of arteries, arterioles & capillaries (441-448)	1	3.0	1	3.6			38	8.0	30	8.2	8	7.2	2	7.2	2	7.9			1	9.2	1	11.5		
Acute bronchitis & bronchiolitis (466)																								
Pneumonia (480-486)	10	30.0	9	32.2	1	18.4	84	17.7	69	18.9	15	13.5	1	3.6	1	3.9			9	82.6	7	80.2	2	
Influenza (487)	1	3.0	1	3.6			18	3.8	14	3.8	4	3.6												
Bronchitis, chronic & unsp. (490-491)	1	3.0	1	3.6			11	2.3	10	2.7	1	0.9							1	9.2	1	11.5		
Emphysema (492)	3	9.0	3	10.7			45	9.5	43	11.8	2	1.8	1	3.6					1	9.2	1	11.5		
Asthma (493)							7	1.5	5	1.4	2	1.8	1	3.6	1	3.9								
Other chronic obstructive pulmonary disease & allied conditions (494-496)	8	24.0	8	28.6			82	17.2	68	18.6	14	12.6	4	14.3	4	15.8			2	18.4	2	22.9		
Ulcer of stomach & duodenum (531-533)							14	2.9	11	3.0	3	2.7	2	7.2	2	7.9								
Appendicitis (540-543)							1	0.2	1															

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	RED BANK			SHELBYVILLE			SPRINGFIELD			TULLAHOMA		
	All Races 13,332 No. Rate	White 12,791 No. Rate	Other Races 541 No. Rate	All Races 13,609 No. Rate	White 11,387 No. Rate	Other Races 2,222 No. Rate	All Races 11,006 No. Rate	White 7,432 No. Rate	Other Races 3,574 No. Rate	All Races 16,019 No. Rate	White 14,915 No. Rate	Other Races 1,104 No. Rate
LIVE BIRTHS	42 3.2	37 2.9	5 9.2	202 14.8	154 13.5	48 21.6	203 18.4	119 16.0	84 23.5	230 14.4	205 13.7	25 22.6
ILLEGITIMATE BIRTHS	1 2.4	1 2.7		40 19.8	17 11.0	23 47.9	71 35.0	15 12.6	56 66.7	23 10.0	15 7.3	8 32.0
LOW-WEIGHT BIRTHS (Less than 2500 grams)	3 7.1	3 8.1		18 8.9	9 5.8	9 18.8	32 15.8	14 11.8	18 21.4	16 7.0	13 6.3	3 12.0
INFANT DEATHS (Under one year of age)	2 47.6	2 54.1		5 24.8	3 19.5	2 41.7	3 14.8	1 8.4	2 23.8	2 8.7	2 9.8	
Neonatal Deaths (Under 28 days of age)	1 23.8	1 27.0		4 19.8	3 19.5	1 20.8	3 14.8	1 8.4	2 23.8	1 4.3	1 4.9	
Under 7 days of age	1	1		3	2	1	3	1	2	1	1	
7-27 days of age				1	1							
MATERNAL DEATHS (ICD codes 630-676)							2 9.9		2 23.8			
FETAL DEATHS												
INDUCED ABORTIONS	4 95.2	4 108.1		31 153.5	26 168.8	5 104.2	18 88.7	10 84.0	8 95.2	36 156.5	33 161.0	3 120.0
TOTAL DEATHS	96 7.2	96 7.5		142 10.4	110 9.7	32 14.4	145 13.2	108 14.5	37 10.4	148 9.2	135 9.1	13 11.8
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)												
Tuberculosis, all forms (010-018)							1 9.1	1 13.5				
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)												
Septicemia (038)							1 9.1	1 13.5				
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)												
Measles (055)												
Viral hepatitis (070)												
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)										1 6.2	1 6.7	
Malignant neoplasms (140-208)	23 172.5	23 179.8		28 205.7	22 193.2	6	30 272.6	23 309.5	7	37 231.0	35 234.7	2
Lip, oral cavity & pharynx (140-149)										3 18.7	3 20.1	
Digestive organs & peritoneum (150-159)	7 52.5	7 54.7		6 44.1	5 43.9	1	10 90.9	8 107.6	2	5 31.2	5 33.5	
Respiratory & intrathoracic organs (160-165)	6 45.0	6 46.9		8 58.8	7 61.5	1	8 72.7	5 67.3	3	12 74.9	10 67.0	2
Breast (174-175)	3 22.5	3 23.5		2 14.7	2 17.6		3 27.3	3 40.4		2 12.5	2 13.4	
Female genital organs (179-184)							1 9.1	1 13.5		5 31.2	5 33.5	
Male genital organs (185-187)				1 7.3	1 8.8		1 9.1		1	1 6.2	1 6.7	
Urinary organs (188-189)				3 22.0	1 8.8	2	1 9.1		1	3 18.7	3 20.1	
Other & unsp. sites (170-173, 190-199)	4 30.0	4 31.3		7 51.4	5 43.9	2	3 27.3	3 40.4		5 31.2	5 33.5	
Leukemia (204-208)	1 7.5	1 7.8		1 7.3	1 8.8							
Other lymphatic & hematopoietic tissue (200-203)	2 15.0	2 15.6					3 27.3	3 40.4		1 6.2	1 6.7	
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	2 15.0	2 15.6		1 7.3	1 8.8					1 6.2	1 6.7	
Diabetes mellitus (250)	1 7.5	1 7.8		1 7.3		1	4 36.3	1 13.5	3	3 18.7	2 13.4	1
Nutritional deficiencies (260-269)												
Anemias (280-285)												
Meningitis (320-322)												
Diseases of heart (390-398, 402, 404-429)	41 307.5	41 320.5		45 330.7	38 333.7	7	59 536.1	50 672.8	9	50 312.1	45 301.7	5
Rheumatic fever & rheumatic heart disease (390-398)				1 7.3	1 8.8					1 6.2	1 6.7	
Hypertensive heart disease (402)	1 7.5	1 7.8		2 14.7	2 17.6		4 36.3	4 53.8				
Hypertensive heart & renal disease (404)												
Ischemic heart disease (410-414)	36 270.0	36 281.4		32 235.1	28 245.9	4	48 436.1	41 551.7	7	40 249.7	36 241.4	4
All other forms of heart disease (415-429)	4 30.0	4 31.3		10 73.5	7 61.5	3	7 63.6	5 67.3	2	9 56.2	8 53.6	1
Hypertension, with or without renal disease (401, 403)				2 14.7		2						
Cerebrovascular disease (430-438)	8 60.0	8 62.5		22 161.7	18 158.1	4	13 118.1	9 121.1	4	13 81.2	12 80.5	1
Atherosclerosis (440)	1 7.5	1 7.8		1 7.3	1 8.8		6 54.5	4 53.8	2	5 31.2	5 33.5	
Other diseases of arteries, arterioles & capillaries (441-448)	2 15.0	2 15.6		1 7.3	1 8.8					3 18.7	2 13.4	1
Acute bronchitis & bronchiolitis (466)												
Pneumonia (480-486)	1 7.5	1 7.8		2 14.7	2 17.6					1 6.2	1 6.7	
Influenza (487)										1 6.2	1 6.7	
Bronchitis, chronic & unsp. (490-491)												
Emphysema (492)	3 22.5	3 23.5		1 7.3	1 8.8		2 18.2	1 13.5	1	2 12.5	2 13.4	
Asthma (493)												
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4 30.0	4 31.3								9 56.2	8 53.6	1
Ulcer of stomach & duodenum (531-533)				1 7.3	1 8.8							
Appendicitis (540-543)												
Hernia & intestinal obstruction (550-553, 560)							1 9.1	1 13.5				
Chronic liver disease & cirrhosis (571)	2 15.0	2 15.6		3 22.0	3 26.3		5 45.4	3 40.4	2	4 25.0	4 26.8	
Cholelithiasis & other disorders of gallbladder (574-575)				1 7.3		1						
Acute glomerulonephritis & nephrotic syndrome (580-581)												
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)												
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)				2 14.7	1 8.8	1	3 27.3	1 13.5	2	3 18.7	3 20.1	
Infections of kidney (590)				1 7.3	1 8.8							
Hyperplasia of prostate (600)												
Complications of pregnancy, childbirth & the puerperium (630-676)												
Congenital anomalies (740-759)							2 18.2	1 13.5	1			
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)				1 7.3		1	2 18.2		2			
Other conditions originating in the perinatal period (760-766, 770-779)				2 14.7	2 17.6		1 9.1	1 13.5		1 6.2	1 6.7	
Symptoms, signs & ill-defined conditions (780-799)				2 14.7	1 8.8	1						
All other diseases	4 30.0	4 31.3		10 73.5	5 43.9	5	5 45.4	4 53.8	1	10 62.4	9 60.3	1
Motor vehicle accidents (E810-E825)	1 7.5	1 7.8		6 44.1	43.9	1	3 27.3	3 40.4		2 12.5	2 13.4	
All other accidents & adverse effects (E800-E807, E826-E849)	1 7.5	1 7.8		3 22.0	1 8.8	2	4 36.3	3 40.4	1			
Suicide (E950-E959)				6 44.1	6 52.7		1 9.1	1 13.5		2 12.5	1 6.7	1
Homicide & legal intervention (E960-E978)	2 15.0	2 15.6					2 18.2		2			
All other external causes (E980-E999)												

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR CITIES OF 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	UNION CITY					
	ALL RACES 10,531		WHITE 8,474		OTHER RACES 2,057	
	No.	Rate	No.	Rate	No.	Rate
LIVE BIRTHS	128	12.2	97	11.4	31	15.1
ILLEGITIMATE BIRTHS	28	21.9	11	11.3	17	54.8
LOW-WEIGHT BIRTHS (Less than 2500 grams)	9	7.0	4	4.1	5	16.1
INFANT DEATHS (Under one year of age)	1	7.8	1	10.3		
Neonatal Deaths (Under 28 days of age)	1	7.8	1	10.3		
Under 7 days of age	1		1			
7-27 days of age						
MATERNAL DEATHS (ICD codes 630-676)						
FETAL DEATHS	2	15.6	1	10.3	1	32.3
INDUCED ABORTIONS	22	171.9	19	195.9	3	96.8
TOTAL DEATHS	134	12.7	110	13.0	24	11.7
CAUSE OF DEATH						
Shigellosis & amebiasis (004, 006)						
Certain other intestinal infections (007-009)						
Tuberculosis, all forms (010-018)						
Whooping cough (033)						
Streptococcal sore throat, scarlatina & erysipelas (034-035)						
Meningococcal infection (036)						
Septicemia (038)	2	19.0	1	11.8	1	
Acute poliomyelitis (045)						
Viral encephalitis (049.8-049.9, 062-064)						
Measles (055)						
Viral hepatitis (070)						
Rocky Mtn. spotted fever (082.0)						
Syphilis (090-097)						
All other infectious & parasitic diseases (remainder of 001-139)						
Malignant neoplasms (140-208)	22	208.9	16	188.8	6	
Lip, oral cavity & pharynx (140-149)						
Digestive organs & peritoneum (150-159)	7	66.5	5	59.0	2	
Respiratory & intrathoracic organs (160-165)	3	28.5	3	35.4		
Breast (174-175)	2	19.0	2	23.6		
Female genital organs (179-184)	1	9.5			1	
Male genital organs (185-187)	2	19.0			2	
Urinary organs (188-189)						
Other & unsp. sites (170-173, 190-199)	3	28.5	2	23.6	1	
Leukemia (204-208)	2	19.0	2	23.6		
Other lymphatic & hematopoietic tissue (200-203)	2	19.0	2	23.6		
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)						
Diabetes mellitus (250)						
Nutritional deficiencies (260-269)						
Anemias (280-285)						
Meningitis (320-322)						
Diseases of heart (390-398, 402, 404-429)	41	389.3	37	436.6	4	
Rheumatic fever & rheumatic heart disease (390-398)						
Hypertensive heart disease (402)						
Hypertensive heart & renal disease (404)						
Ischemic heart disease (410-414)	39	370.3	35	413.0	4	
All other forms of heart disease (415-429)	2	19.0	2	23.6		
Hypertension, with or without renal disease (401, 403)	1	9.5	1	11.8		
Cerebrovascular disease (430-438)	20	189.9	15	177.0	5	
Atherosclerosis (440)	18	170.9	15	177.0	3	
Other diseases of arteries, arterioles & capillaries (441-448)	2	19.0	2	23.6		
Acute bronchitis & bronchiolitis (466)						
Pneumonia (480-486)	6	57.0	5	59.0	1	
Influenza (487)	1	9.5	1	11.8		
Bronchitis, chronic & unsp. (490-491)	1	9.5	1	11.8		
Emphysema (492)	1	9.5	1	11.8		
Asthma (493)						
Other chronic obstructive pulmonary disease & allied conditions (494-496)	4	38.0	4	47.2		
Ulcer of stomach & duodenum (531-533)	2	19.0	2	23.6		
Appendicitis (540-543)						
Hernia & intestinal obstruction (550-553, 560)						
Chronic liver disease & cirrhosis (571)						
Cholelithiasis & other disorders of gallbladder (574-575)						
Acute glomerulonephritis & nephrotic syndrome (580-581)						
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)						
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)						
Infections of kidney (590)						
Hyperplasia of prostate (600)						
Complications of pregnancy, childbirth & the puerperium (630-676)						
Congenital anomalies (740-759)						
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)						
Other conditions originating in the perinatal period (760-766, 770-779)	1	9.5	1	11.8		
Symptoms, signs & ill-defined conditions (780-799)	1	9.5			1	
All other diseases	5	47.5	5	59.0		
Motor vehicle accidents (E810-E825)	1	9.5	1	11.8		
All other accidents & adverse effects (E800-E807, E826-E949)	4	38.0	2	23.6	2	
Suicide (E950-E959)						
Homicide & legal intervention (E960-E978)	1	9.5			1	
All other external causes (E980-E999)						

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	(1) FIRST TENNESSEE			(2) EAST TENNESSEE			(3) SOUTHEAST TENNESSEE		
	ALL RACES 421,914 No. Rate	WHITE 412,178 No. Rate	OTHER RACES 9,736 No. Rate	ALL RACES 856,364 No. Rate	WHITE 810,280 No. Rate	OTHER RACES 46,084 No. Rate	ALL RACES 503,891 No. Rate	WHITE 438,306 No. Rate	OTHER RACES 65,585 No. Rate
LIVE BIRTHS	5,083 12.0	4,915 11.9	167 17.2	11,203 13.1	10,342 12.8	860 18.7	7,098 14.1	5,917 13.5	1,180 18.0
ILLEGITIMATE BIRTHS	562 11.1	491 10.0	71 42.5	1,629 14.5	1,161 11.2	468 54.4	1,234 17.4	538 9.1	696 58.9
LOW-WEIGHT BIRTHS (Less than 2500 grams)	380 7.5	351 7.1	29 17.4	739 6.8	644 6.2	114 13.3	513 7.2	359 6.1	153 13.0
INFANT DEATHS (Under one year of age)	69 13.6	65 13.2	4 24.0	133 11.9	117 11.3	16 18.6	83 11.7	63 11.0	18 15.3
Neonatal Deaths (Under 28 days of age)	51 10.0	48 9.5	3 18.0	94 8.4	83 8.0	11 12.8	51 7.2	39 6.6	12 10.2
Under 7 days of age	42	39	3	75	68	7	42	31	11
7-27 days of age	9	9		19	15	4	9	8	1
MATERNAL DEATHS (ICD codes 630-676)	1 2.0	1 2.0		2 1.8	2 1.9		1 1.4	1 1.7	
FETAL DEATHS	53 10.4	48 9.8	5 29.9	107 9.6	96 9.3	11 12.8	57 8.0	43 7.3	14 11.9
INDUCED ABORTIONS	994 195.6	953 193.9	36 227.5	3,702 330.4	3,288 317.9	410 476.7	1,735 244.4	1,308 221.1	427 361.9
TOTAL DEATHS	3,578 8.5	3,486 8.5	92 9.4	7,495 8.8	7,035 8.7	460 10.0	4,383 8.7	3,731 8.5	651 9.9
CAUSE OF DEATH									
Shigellosis & amebiasis (004, 006)									
Certain other intestinal infections (007-009)	1 0.2	1 0.2		1 0.1	1 0.1		1 0.2	1 0.2	
Tuberculosis, all forms (010-018)	3 0.7	3 0.7		11 1.3	11 1.4		9 1.8	6 1.4	3 4.6
Whooping cough (033)									
Streptococcal sore throat, scarlatina & erysipelas (034-035)									
Meningococcal infection (036)				1 0.1	1 0.1		1 0.2		1 1.5
Septicemia (038)	10 2.4	10 2.4		18 2.1	18 2.2		21 4.2	15 3.4	6 9.1
Acute poliomyelitis (045)									
Viral encephalitis (049.8-049.9, 062-064)				1 0.1	1 0.1				
Measles (055)									
Viral hepatitis (070)				4 0.5	4 0.5		2 0.4	2 0.5	
Rocky Mtn. spotted fever (082.0)				1 0.1	1 0.1				
Syphilis (090-097)							1 0.2		1 1.5
All other infectious & parasitic diseases (remainder of 001-139)	5 1.2	5 1.2		15 1.8	15 1.9		11 2.2	11 2.5	
Malignant neoplasms (140-208)	704 166.9	681 165.2	23 236.2	1,519 177.4	1,434 177.0	85 184.4	917 182.0	786 179.3	131 199.7
Lip, oral cavity & pharynx (140-149)	13 3.1	12 2.9	1 10.3	46 5.4	43 5.3	3 6.5	29 5.8	27 6.2	2 3.0
Digestive organs & peritoneum (150-159)	159 37.7	154 37.4	5 51.4	365 42.6	335 41.3	30 65.1	225 44.7	184 42.0	41 62.5
Respiratory & intrathoracic organs (160-165)	230 54.5	221 53.6	9 92.4	437 51.0	414 51.1	23 49.9	280 55.6	240 54.8	40 61.0
Breast (174-175)	47 11.1	47 11.4		120 14.0	114 14.1	6 13.0	65 12.9	54 12.3	11 16.8
Female genital organs (179-184)	36 8.5	35 8.5	1 10.3	74 8.6	70 8.6	4 8.7	57 11.3	53 12.1	4 6.1
Male genital organs (185-187)	34 8.1	32 7.8	2 20.5	84 9.8	77 9.5	7 15.2	47 9.3	40 9.1	7 10.7
Urinary organs (188-189)	33 7.8	32 7.8	1 10.3	56 6.5	55 6.8	1 2.2	45 8.9	36 8.2	9 13.7
Other & unsp. sites (170-173, 190-199)	97 23.0	96 23.3	1 10.3	184 21.5	175 21.6	9 19.5	91 18.1	84 19.2	7 10.7
Leukemia (204-208)	15 3.6	14 3.4	1 10.3	60 7.0	59 7.3	1 2.2	32 6.4	29 6.6	3 4.6
Other lymphatic & hematopoietic tissue (200-203)	40 9.5	38 9.2	2 20.5	93 10.9	92 11.4	1 2.2	46 9.1	39 8.9	7 10.7
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	12 2.8	12 2.9		22 2.6	20 2.5	2 4.3	15 3.0	14 3.2	1 1.5
Diabetes mellitus (250)	62 14.7	60 14.6	2 20.5	112 13.1	100 12.3	12 26.0	65 12.9	54 12.3	11 16.8
Nutritional deficiencies (260-269)	2 0.5	2 0.5		14 1.6	14 1.7		6 1.2	5 1.1	1 1.5
Anemias (280-285)	6 1.4	6 1.5		9 1.1	7 0.9	2 4.3	6 1.2	2 0.5	4 6.1
Meningitis (320-322)	3 0.7	3 0.7		4 0.5	4 0.5		3 0.6	3 0.7	
Diseases of heart (390-398, 402, 404-429)	1,396 330.9	1,355 328.7	41 421.1	2,683 313.3	2,532 312.5	151 327.7	1,702 337.8	1,444 329.5	257 391.9
Rheumatic fever & rheumatic heart disease (390-398)	10 2.4	10 2.4		16 1.9	16 2.0		9 1.8	7 1.6	2 3.0
Hypertensive heart disease (402)	40 9.5	39 9.5	1 10.3	62 7.2	40 4.9	22 47.7	37 7.3	29 6.6	8 12.2
Hypertensive heart & renal disease (404)	7 1.7	7 1.7		11 1.3	10 1.2	1 2.2	6 1.2	5 1.1	1 1.5
Ischemic heart disease (410-414)	1,002 237.5	977 237.0	25 256.8	2,093 244.4	2,012 248.3	81 175.8	1,424 282.6	1,204 274.7	219 333.9
All other forms of heart disease (415-429)	337 79.9	322 78.1	15 154.1	501 58.5	454 56.0	47 102.0	226 44.9	199 45.4	27 41.2
Hypertension, with or without renal disease (401, 403)	12 2.8	12 2.9		26 3.0	20 2.5	6 13.0	12 2.4	8 1.8	4 6.1
Cerebrovascular disease (430-438)	292 69.2	283 68.7	9 92.4	777 90.7	727 89.7	50 108.5	372 73.8	318 72.6	54 82.3
Atherosclerosis (440)	37 8.8	36 8.7	1 10.3	93 10.9	86 10.6	7 15.2	42 8.3	35 8.0	7 10.7
Other diseases of arteries, arterioles & capillaries (441-448)	34 8.1	33 8.0	1 10.3	66 7.7	65 8.0	1 2.2	41 8.1	37 8.4	4 6.1
Acute bronchitis & bronchiolitis (466)				2 0.2	2 0.2		7 1.4	5 1.1	2 3.0
Pneumonia (480-486)	113 26.8	113 27.4		205 23.9	198 24.4	7 15.2	117 23.2	104 23.7	13 19.8
Influenza (487)	4 0.9	4 1.0		22 2.6	21 2.6	1 2.2	5 1.0	5 1.1	
Bronchitis, chronic & unsp. (490-491)	9 2.1	9 2.2		21 2.5	21 2.6		6 1.2	6 1.4	
Emphysema (492)	18 4.3	17 4.1	1 10.3	60 7.0	58 7.2	2 4.3	28 5.6	27 6.2	1 1.5
Asthma (493)	4 0.9	4 1.0		9 1.1	7 0.9	2 4.3	11 2.2	10 2.3	1 1.5
Other chronic obstructive pulmonary disease & allied conditions (494-496)	96 22.8	95 23.0	1 10.3	178 20.8	171 21.1	7 15.2	84 16.7	75 17.1	9 13.7
Ulcer of stomach & duodenum (531-533)	12 2.8	12 2.9		26 3.0	25 3.1	1 2.2	12 2.4	8 1.8	4 6.1
Appendicitis (540-543)	1 0.2	1 0.2		4 0.5	4 0.5		3 0.6	2 0.5	1 1.5
Hernia & intestinal obstruction (550-553, 560)	10 2.4	9 2.2	1 10.3	9 1.1	8 1.0	1 2.2	13 2.6	12 2.7	1 1.5
Chronic liver disease & cirrhosis (571)	49 11.6	49 11.9		77 9.0	71 8.8	6 13.0	39 7.7	32 7.3	7 10.7
Cholelithiasis & other disorders of gallbladder (574-575)									
Acute glomerulonephritis & nephrotic syndrome (580-581)	11 2.6	11 2.7		18 2.1	16 2.0	2 4.3	8 1.6	7 1.6	1 1.5
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 0.2	1 0.2		2 0.2	2 0.2		2 0.4	1 0.2	1 1.5
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	11 2.6	11 2.7		10 1.2	10 1.2		9 1.8	5 1.1	4 6.1
Infections of kidney (590)	24 5.7	23 5.6	1 10.3	43 5.0	37 4.6	6 13.0	36 7.1	29 6.6	7 10.7
Hyperplasia of prostate (600)	5 1.2	5 1.2		6 0.7	6 0.7		7 1.4	6 1.4	1 1.5
Complications of pregnancy, childbirth & the puerperium (630-676)									
Congenital anomalies (740-759)	1 2.0	1 2.0		2 1.8	2 1.9		1 1.4	1 1.7	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	18 4.3	18 4.4		58 6.8	54 6.7	4 8.7	32 6.4	28 6.4	4 6.1
Other conditions originating in the perinatal period (760-766, 770-779)	14 3.3	13 3.2	1 10.3	33 3.9	26 3.2	7 15.2	15 3.0	12 2.7	3 4.6
Symptoms, signs & ill-defined conditions (780-799)	22 5.2	20 4.9	2 20.5	32 3.7	29 3.6	3 6.5	25 5.0	17 3.9	8 12.2
All other diseases	73 17.3	70 17.0	3 30.8	312 36.4	281 34.7	31 67.3	47 9.3	43 9.8	4 6.1
Motor vehicle accidents (E810-E825)	230 54.5	229 55.6	1 10.3	398 46.5	371 45.8	27 58.6	242 48.0	199 45.4	43 65.6
All other accidents & adverse effects (E800-E807, E826-E849)	95 22.5	95 23.0		225 26.3	211 26.0	14 30.4	136 27.0	128 29.2	8 12.2
Suicide (E950-E959)	92 21.8	91 22.1	1 10.3	174 20.3	169 20.9	5 10.8	144 28.6	126 28.7	18 27.4
Homicide & legal intervention (E960-E978)	48 11.4	47 11.4	1 10.3	106 12.4	103 12.7	3 6.5	60 11.9	54 12.3	6 9.1
All other external causes (E980-E999)	26 6.2	24 5.8	2 20.5	73 8.5	59 7.3	14 30.4	55 10.9	37 8.4	18 27.4
	12 2.8	12 2.9		10 1.2	9 1.1	1 2.2	12 2.4	11 2.5	1 1.5

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	(4) UPPER CUMBERLAND			(5) MID-CUMBERLAND			(6) SOUTH CENTRAL TENNESSEE		
	ALL RACES 246,244 No. Rate	WHITE 241,530 No. Rate	OTHER RACES 4,714 No. Rate	ALL RACES 987,417 No. Rate	WHITE 924,571 No. Rate	OTHER RACES 162,846 No. Rate	ALL RACES 307,415 No. Rate	WHITE 281,626 No. Rate	OTHER RACES 25,789 No. Rate
LIVE BIRTHS	3,162 12.8	3,086 12.8	76 16.1	14,967 15.2	11,770 14.3	3,196 19.6	4,130 13.4	3,716 13.2	414 16.1
ILLEGITIMATE BIRTHS	337 10.7	314 10.2	23 30.3	2,780 18.6	1,070 9.1	1,710 53.5	536 13.0	321 8.6	215 51.9
LOW-WEIGHT BIRTHS (Less than 2500 grams)	221 7.0	210 6.8	11 14.5	1,178 7.9	762 6.5	416 13.0	262 6.3	214 5.8	48 11.6
INFANT DEATHS (Under one year of age)	36 11.4	35 11.3	1 13.2	173 11.6	107 9.1	66 20.7	33 8.0	29 7.8	4 9.7
Neonatal Deaths (Under 28 days of age)	19 6.0	19 6.2	—	132 8.8	79 6.7	53 16.6	17 4.1	16 4.3	1 2.4
Under 7 days of age	16	16	—	113	70	43	16	15	1
7-27 days of age	3	3	—	19	9	10	1	1	—
MATERNAL DEATHS (ICD codes 630-676)	1 3.2	1 3.2	—	4 2.7	4 3.4	—	—	—	—
FETAL DEATHS	19 6.0	17 5.5	2 26.3	135 9.0	90 7.6	44 13.8	21 5.1	19 5.1	2 4.8
INDUCED ABORTIONS	509 161.0	489 158.5	17 223.7	4,329 289.2	3,287 279.3	1,034 323.5	549 132.9	468 125.9	81 195.7
TOTAL DEATHS	2,160 8.8	2,116 8.8	44 9.3	7,715 7.8	6,303 7.6	1,410 8.7	2,999 9.8	2,686 9.5	313 12.1
CAUSE OF DEATH									
Shigellosis & amebiasis (004, 008)	—	—	—	—	—	—	—	—	—
Certain other intestinal infections (007-009)	—	—	—	—	—	—	—	—	—
Tuberculosis, all forms (010-018)	3 1.2	3 1.2	—	14 1.4	12 1.5	2 1.2	8 2.6	6 2.1	2 7.8
Whooping cough (033)	—	—	—	—	—	—	—	—	—
Streptococcal sore throat, scarlatina & erysipelas (034-035)	—	—	—	—	—	—	—	—	—
Meningococcal infection (036)	—	—	—	2 0.2	2 0.2	—	2 0.7	2 0.7	—
Septicemia (038)	5 2.0	5 2.1	—	19 1.9	12 1.5	7 4.3	10 3.3	8 2.8	2 7.8
Acute poliomyelitis (045)	—	—	—	—	—	—	—	—	—
Viral encephalitis (049.8-049.9, 062-064)	—	—	—	1 0.1	1 0.1	—	—	—	—
Measles (055)	—	—	—	—	—	—	—	—	—
Viral hepatitis (070)	1 0.4	1 0.4	—	9 0.9	7 0.8	2 1.2	1 0.3	1 0.4	—
Rocky Mtn. spotted fever (082.0)	—	—	—	—	—	—	—	—	—
Syphilis (090-097)	1 0.4	1 0.4	—	—	—	—	—	—	—
All other infectious & parasitic diseases (remainder of 001-139)	4 1.6	4 1.7	—	17 1.7	17 2.1	—	5 1.6	5 1.8	—
Malignant neoplasms (140-208)	419 170.2	412 170.6	7	1,619 164.0	1,321 160.2	298 183.0	626 203.6	564 200.3	62 240.4
Lip, oral cavity & pharynx (140-149)	6 2.4	6 2.5	—	46 4.7	32 3.9	14 8.6	12 3.9	11 3.9	1 3.9
Digestive organs & peritoneum (150-159)	100 40.6	99 41.0	1	394 39.9	306 37.1	88 54.0	136 44.2	119 42.3	17 65.9
Respiratory & intrathoracic organs (160-165)	127 51.6	125 51.8	2	437 44.3	365 44.3	72 44.2	169 55.0	153 54.3	16 62.0
Breast (174-175)	38 15.4	38 15.7	—	129 13.1	107 13.0	22 13.5	49 15.9	46 16.3	3 11.6
Female genital organs (179-184)	23 9.3	23 9.5	—	85 8.6	72 8.7	13 8.0	43 14.0	41 14.6	2 7.8
Male genital organs (185-187)	24 9.7	23 9.5	—	108 10.9	77 9.3	31 19.0	38 12.4	30 10.7	8 31.0
Urinary organs (188-189)	23 9.3	22 9.1	1	55 5.6	43 5.2	12 7.4	36 11.7	32 11.4	4 15.5
Other & unsp. sites (170-173, 190-199)	45 18.3	43 17.8	2	190 19.2	162 19.6	28 17.2	90 29.3	82 29.1	8 31.0
Leukemia (204-208)	19 7.7	19 7.9	—	68 6.9	58 7.0	10 6.1	27 8.8	25 8.9	2 7.8
Other lymphatic & hematopoietic tissue (200-203)	14 5.7	14 5.8	—	107 10.8	99 12.0	8 4.9	26 8.5	25 8.9	1 3.9
Benign neoplasms, carcinoma in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	7 2.8	7 2.9	—	18 1.8	13 1.6	5 3.1	12 3.9	12 4.3	—
Diabetes mellitus (250)	33 13.4	31 12.8	2	120 12.2	81 9.8	39 23.9	46 15.0	35 12.4	11 42.7
Nutritional deficiencies (260-269)	2 0.8	2 0.8	—	14 1.4	10 1.2	4 2.5	2 0.7	1 0.4	1 3.9
Anemias (280-285)	2 0.8	2 0.8	—	10 1.0	8 1.0	2 1.2	4 1.3	4 1.4	—
Meningitis (320-322)	1 0.4	1 0.4	—	9 0.9	6 0.7	3 1.8	1 0.3	—	1 3.9
Diseases of heart (390-398, 402, 404-429)	869 352.9	848 351.1	21	2,789 282.5	2,342 284.0	446 273.9	1,115 362.7	1,002 355.8	113 438.2
Rheumatic fever & rheumatic heart disease (390-398)	5 2.0	5 2.1	—	27 2.7	22 2.7	5 3.1	7 2.3	6 2.1	1 3.9
Hypertensive heart disease (402)	19 7.7	18 7.5	—	116 11.7	59 7.2	57 35.0	28 9.1	22 7.8	6 23.3
Hypertensive heart & renal disease (404)	1 0.4	1 0.4	—	14 1.4	9 1.1	5 3.1	2 0.7	1 0.4	1 3.9
Ischemic heart disease (410-414)	688 279.4	672 278.2	16	2,110 213.7	1,806 219.0	303 186.1	839 272.9	758 269.2	81 314.1
All other forms of heart disease (415-429)	156 63.4	152 62.9	4	522 52.9	446 54.1	76 46.7	239 77.7	215 76.3	24 93.1
Hypertension, with or without renal disease (401, 403)	3 1.2	3 1.2	—	26 2.6	14 1.7	12 7.4	11 3.6	7 2.5	4 15.5
Cerebrovascular disease (430-438)	226 91.8	222 91.9	4	763 77.3	593 71.9	170 104.4	314 102.1	282 100.1	32 124.1
Atherosclerosis (440)	35 14.2	33 13.7	2	116 11.7	106 12.9	10 6.1	37 12.0	34 12.1	3 11.6
Other diseases of arteries, arterioles & capillaries (441-448)	20 8.1	20 8.3	—	61 6.2	50 6.1	11 6.8	28 9.1	25 8.9	3 11.6
Acute bronchitis & bronchiolitis (466)	—	—	—	—	—	—	—	—	—
Pneumonia (480-486)	56 22.7	55 22.8	1	176 17.8	153 18.6	23 14.1	93 30.3	87 30.9	6 23.3
Influenza (487)	11 4.5	11 4.6	—	24 2.4	19 2.3	5 3.1	18 5.9	16 5.7	2 7.8
Bronchitis, chronic & unsp. (490-491)	4 1.6	4 1.7	—	13 1.3	12 1.5	1 0.6	4 1.3	4 1.4	—
Emphysema (492)	16 6.5	16 6.6	—	74 7.5	70 8.5	4 2.5	19 6.2	19 6.7	—
Asthma (493)	3 1.2	3 1.2	—	14 1.4	10 1.2	4 2.5	8 2.6	8 2.8	—
Other chronic obstructive pulmonary disease & allied conditions (494-496)	40 16.2	40 16.6	—	158 16.0	141 17.1	17 19.4	61 19.8	59 20.9	2 7.8
Ulcer of stomach & duodenum (531-533)	10 4.1	9 3.7	1	25 2.5	21 2.5	4 2.5	10 3.3	8 2.8	2 7.8
Appendicitis (540-543)	—	—	—	1 0.1	1 0.1	—	1 0.3	1 0.4	—
Hernia & intestinal obstruction (550-553, 560)	5 2.0	5 2.1	—	20 2.0	18 2.2	2 1.2	2 0.7	2 0.7	—
Chronic liver disease & cirrhosis (571)	14 5.7	14 5.8	—	91 9.2	75 9.1	16 9.8	30 9.8	29 10.3	1 3.9
Cholelithiasis & other disorders of gallbladder (574-575)	3 1.2	3 1.2	—	22 2.2	19 2.3	3 1.8	8 2.6	7 2.5	1 3.9
Acute glomerulonephritis & nephrotic syndrome (580-581)	—	—	—	—	—	—	—	—	—
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	2 0.8	2 0.8	—	12 1.2	8 1.0	4 2.5	4 1.3	4 1.4	—
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	13 5.3	13 5.4	—	57 5.8	41 5.0	16 9.8	38 12.4	31 11.0	7 27.1
Infections of kidney (590)	2 0.8	2 0.8	—	14 1.4	12 1.5	2 1.2	2 0.7	2 0.7	—
Hyperplasia of prostate (600)	1 0.4	1 0.4	—	5 0.5	4 0.5	1 0.6	—	—	—
Complications of pregnancy, childbirth & the puerperium (630-676)	1 3.2	1 3.2	—	4 2.7	4 3.4	—	—	—	—
Congenital anomalies (740-759)	17 6.9	17 7.0	—	48 4.9	40 4.9	8 4.9	14 4.6	13 4.6	1 3.9
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	2 0.8	2 0.8	—	31 3.1	15 1.8	16 9.8	2 0.7	1 0.4	1 3.9
Other conditions originating in the perinatal period (760-766, 770-779)	10 4.1	10 4.1	—	66 6.7	34 4.1	32 19.7	10 3.3	10 3.6	—
Symptoms, signs & ill-defined conditions (780-799)	20 8.1	20 8.3	—	54 5.5	43 5.2	10 6.1	43 14.0	34 12.1	9 34.9
All other diseases	110 44.7	108 44.7	2	472 47.8	376 45.6	96 59.0	165 53.7	145 51.5	20 77.6
Motor vehicle accidents (E810-E825)	61 24.8	61 25.3	—	253 25.6	233 28.3	20 12.3	91 29.6	80 28.4	11 42.7
All other accidents & adverse effects (E800-E807, E826-E849)	69 28.0	66 27.3	3	214 21.7	172 20.9	42 25.8	79 25.7	70 24.9	9 34.9
Suicide (E950-E959)	38 14.6	35 14.5	1	117 11.8	106 13.1	9 5.5	47 15.3	44 15.6	3 11.6
Homicide & legal intervention (E960-E978)	17 6.9	17 7.0	—	117 11.8	59 7.2	58 35.6	22 7.2	18 6.4	4 15.5
All other external causes (E980-E999)	6 2.4	6 2.5	—	26 2.6	20 2.4	6 3.7	6 2.0	6 2.1	—

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE VIII (Continued)—BIRTHS, INFANT DEATHS, FETAL DEATHS, INDUCED ABORTIONS, AND DEATHS BY CAUSE (9th Rev. ICD),
WITH RATES, BY RACE, FOR THE HEALTH DEPARTMENT REGIONS, RESIDENT DATA, TENNESSEE, 1981

Estimated Population, July 1, 1981	(7) NORTHWEST TENNESSEE				(8) SOUTHWEST TENNESSEE				(9) MEMPHIS-SHELBY			
	All Races 245,349 No. Rate	White 215,186 No. Rate	Other Races 30,163 No. Rate		All Races 293,692 No. Rate	White 217,336 No. Rate	Other Races 76,356 No. Rate		All Races 773,732 No. Rate	White 442,127 No. Rate	Other Races 331,605 No. Rate	
LIVE BIRTHS	3,058 12.5	2,540 11.8	518 17.2		4,417 15.0	2,799 12.9	1,617 21.2		13,932 18.0	6,344 14.3	7,586 22.9	
ILLEGITIMATE BIRTHS	522 17.1	205 8.1	317 61.2		1,188 26.9	238 8.5	950 58.8		4,859 34.9	416 6.5	4,448 58.6	
LOW-WEIGHT BIRTHS (Less than 2500 grams)	256 8.4	182 7.2	74 14.3		345 7.8	163 5.8	182 11.3		1,467 10.5	399 6.3	1,068 14.1	
INFANT DEATHS (Under one year of age)	42 13.7	29 11.4	13 25.1		49 10.9	20 7.1	28 17.3		229 16.4	55 8.7	174 22.9	
Neonatal Deaths (Under 28 days of age)	27 8.8	18 7.1	9 17.4		30 6.8	12 4.3	18 11.1		172 12.3	42 6.6	130 17.1	
Under 7 days of age	24	18	6		25	10	15		147	37	110	
7-27 days of age	3		3		5	2	3		25	5	20	
MATERNAL DEATHS (ICD codes 630-676)					1 2.3		1 6.2					
FETAL DEATHS	25 8.2	16 6.3	9 17.4		40 9.1	18 6.4	22 13.6		128 9.2	41 6.5	87 11.5	
INDUCED ABORTIONS	533 174.3	436 171.7	96 185.3		816 184.7	555 198.3	261 161.4		4,574 328.3	2,437 384.1	2,133 281.2	
TOTAL DEATHS	2,749 11.2	2,403 11.2	346 11.5		2,748 9.4	2,015 9.3	733 9.6		6,653 8.6	3,758 8.5	2,892 8.7	
CAUSE OF DEATH												
Shigellosis & amebiasis (004, 006)												
Certain other intestinal infections (007-009)	1 0.4		1 3.3		2 0.7	1 0.5	1 1.3					
Tuberculosis, all forms (010-018)	1 0.4	1 0.5			3 1.0		3 3.9		5 0.6	1 0.2	4 1.2	
Whooping cough (033)												
Streptococcal sore throat, scarlatina & erysipelas (034-035)												
Meningococcal infection (036)	2 0.8	2 0.9			2 0.7	1 0.5	1 1.3		1 0.1		1 0.3	
Septicemia (038)	14 5.7	11 5.1	3 9.9		11 3.7	6 2.8	5 6.5		33 4.3	9 2.0	24 7.2	
Acute poliomyelitis (045)												
Viral encephalitis (049.8-049.9, 062-064)	1 0.4	1 0.5										
Measles (055)												
Viral hepatitis (070)					2 0.7	2 0.9			5 0.6	4 0.9	1 0.3	
Rocky Mtn. spotted fever (082.0)												
Syphilis (090-097)												
All other infectious & parasitic diseases (remainder of 001-139)	3 1.2	2 0.9	1 3.3		4 1.4	2 0.9	2 2.6		17 2.2	9 2.0	8 2.4	
Malignant neoplasms (140-208)	511 208.3	445 206.8	66 218.8		540 183.9	396 182.2	144 188.6		1,500 193.9	891 201.5	609 183.7	
Lip, oral cavity & pharynx (140-149)	7 2.9	4 1.9	3 9.9		8 2.7	8 3.7			24 3.1	13 2.9	11 3.3	
Digestive organs & peritoneum (150-159)	116 47.3	101 46.9	15 49.7		135 46.0	95 43.7	40 52.4		378 48.9	220 49.8	158 47.6	
Respiratory & intrathoracic organs (160-165)	141 57.5	133 61.8	8 26.5		155 52.8	128 58.9	27 35.4		428 55.3	255 57.7	173 52.2	
Breast (174-175)	43 17.5	39 18.1	4 13.3		40 13.6	28 12.9	12 15.7		129 16.7	82 18.5	47 14.2	
Female genital organs (179-184)	29 11.8	25 11.6	4 13.3		28 9.5	16 7.4	12 15.7		70 9.0	42 9.5	28 8.4	
Male genital organs (185-187)	38 15.5	27 12.5	11 36.5		40 13.6	17 7.8	23 30.1		96 12.4	45 10.2	51 15.4	
Urinary organs (188-189)	16 6.5	14 6.5	2 6.6		15 5.1	12 5.5	3 3.9		59 7.6	39 8.8	20 6.0	
Other & unsp. sites (170-173, 190-199)	68 27.7	59 27.4	9 29.8		75 25.5	62 28.5	13 17.0		200 25.8	116 26.2	84 25.3	
Leukemia (204-208)	27 11.0	24 11.2	3 9.9		26 8.9	16 7.4	10 13.1		47 6.1	34 7.7	13 3.9	
Other lymphatic & hematopoietic tissue (200-203)	26 10.6	19 8.8	7 23.2		18 6.1	14 6.4	4 5.2		69 8.9	45 10.2	24 7.2	
Benign neoplasms, carcinomas in situ & neoplasms of uncertain behavior & unsp. nature (210-239)	7 2.9	5 2.3	2 6.6		6 2.0	3 1.4	3 3.9		23 3.0	16 3.6	7 2.1	
Diabetes mellitus (250)	46 18.7	37 17.2	9 29.8		31 10.6	19 8.7	12 15.7		94 12.1	37 8.4	57 17.2	
Nutritional deficiencies (260-269)	2 0.8	2 0.9			5 1.7	3 1.4	2 2.6		1 0.1	1 0.2		
Anemias (280-285)	5 2.0	4 1.9	1 3.3		5 1.7	4 1.8	1 1.3		14 1.8	7 1.6	7 2.1	
Meningitis (320-322)					2 0.7		2 2.6		7 0.9	2 0.5	5 1.5	
Diseases of heart (390-398, 402, 404-429)	1,035 421.8	924 429.4	111 368.0		990 337.1	756 347.8	234 306.5		2,315 299.2	1,344 304.0	971 292.8	
Rheumatic fever & rheumatic heart disease (390-398)	4 1.6	4 1.9			2 0.7	1 0.5	1 1.3		14 1.8	12 2.7	2 0.6	
Hypertensive heart disease (402)	28 11.4	20 9.3	8 26.5		30 10.2	17 7.8	13 17.0		131 16.9	34 7.7	97 29.3	
Hypertensive heart & renal disease (404)	3 1.2	3 1.4			8 2.7	3 1.4	5 6.5		8 1.0	3 0.7	5 1.5	
Ischemic heart disease (410-414)	862 351.3	777 361.1	85 281.8		794 270.4	618 284.4	176 230.5		1,327 171.5	954 215.8	373 112.5	
All other forms of heart disease (415-429)	138 56.2	120 55.8	18 59.7		156 53.1	117 53.8	39 51.1		835 107.9	341 77.1	494 149.0	
Hypertension, with or without renal disease (401, 403)	13 5.3	12 5.6	1 3.3		23 7.8	13 6.0	10 13.1		30 3.9	17 3.8	13 3.9	
Cerebrovascular disease (430-438)	313 127.6	267 124.1	46 152.5		367 125.0	268 123.3	99 129.7		664 85.8	360 81.4	304 91.7	
Atherosclerosis (440)	108 44.0	95 44.1	13 43.1		41 14.0	30 13.8	11 14.4		111 14.3	67 15.3	44 13.3	
Other diseases of arteries, arterioles & capillaries (441-448)	25 10.2	24 11.2	1 3.3		19 6.5	18 8.3	1 1.3		49 6.3	33 7.5	16 4.8	
Acute bronchitis & bronchiolitis (466)	2 0.8	2 0.9			1 0.3	1 0.5			1 0.1		1 0.3	
Pneumonia (480-486)	81 33.0	71 33.0	10 33.2		65 22.1	51 23.5	14 18.3		156 20.2	89 20.1	67 20.2	
Influenza (487)	6 2.4	6 2.8			12 4.1	9 4.1	3 3.9		10 1.3	8 1.8	2 0.6	
Bronchitis, chronic & unsp. (490-491)	5 2.0	5 2.3			3 1.0	2 0.9	1 1.3		17 2.2	15 3.4	2 0.6	
Emphysema (492)	13 5.3	13 6.0			13 4.4	12 5.5	1 1.3		33 4.3	29 6.6	4 1.2	
Asthma (493)	6 2.4	4 1.9	2 6.6		4 1.4	2 0.9	2 2.6		7 0.9		7 2.1	
Other chronic obstructive pulmonary disease & allied conditions (494-496)	56 22.8	55 25.6	1 3.3		53 18.0	43 19.8	10 13.1		147 19.0	116 26.2	31 9.3	
Ulcer of stomach & duodenum (531-533)	7 2.9	6 2.8	1 3.3		6 2.7	6 2.8	2 2.6		16 2.1	11 2.5	5 1.5	
Appendicitis (540-543)	1 0.4	1 0.5			1 0.3	1 0.5			2 0.3	1 0.2	1 0.3	
Hernia & intestinal obstruction (550-553, 560)	1 0.4	1 0.5			6 2.0	3 1.4	3 3.9		18 2.3	8 1.8	10 3.0	
Chronic liver disease & cirrhosis (571)	22 9.0	20 9.3	2 6.6		15 5.1	12 5.5	3 3.9		67 8.7	37 8.4	30 9.0	
Cholelithiasis & other disorders of gallbladder (574-575)	3 1.2	3 1.4			3 1.0	3 1.4			7 0.9	5 1.1	2 0.6	
Acute glomerulonephritis & nephrotic syndrome (580-581)									2 0.3	1 0.2	1 0.3	
Chronic glomerulonephritis & unsp. nephritis, nephropathy & renal sclerosis (582-583, 587)	1 0.4	1 0.5			8 2.7	3 1.4	5 6.5		20 2.6	8 1.8	12 3.6	
Renal failure, disorders resulting from impaired renal function & small kidney of unk. cause (584-586, 588-589)	19 7.7	17 7.9	2 6.6		28 9.5	21 9.7	7 9.2		32 4.1	14 3.2	18 5.4	
Infections of kidney (590)	9 3.7	8 3.7	1 3.3		3 1.0	2 0.9	1 1.3		6 0.8	6 1.4		
Hyperplasia of prostate (600)	1 0.4	1 0.5			2 0.7	2 0.9			3 0.4	2 0.5	1 0.3	
Complications of pregnancy, childbirth & the puerperium (630-676)					1 2.3		1 6.2					
Congenital anomalies (740-759)	14 5.7	12 5.6	2 6.6		9 3.1	7 3.2	2 2.6		52 6.7	24 5.4	28 8.4	
Birth trauma, intrauterine hypoxia, birth asphyxia & respiratory distress syndrome (767-769)	11 4.5	7 3.3	4 13.3		4 1.4	2 0.9	2 2.6		26 3.4	6 1.4	20 6.0	
Other conditions originating in the perinatal period (760-766, 770-779)	11 4.5	9 4.2	2 6.6		18 6.1	6 2.8	12 15.7		113 14.6	24 5.4	89 26.8	
Symptoms, signs & ill-defined conditions (780-799)	74 30.2	53 24.6	21 69.6		46 15.7	20 9.2	26 34.1		44 5.7	8 1.8	34 10.3	
All other diseases	157 64.0	132 61.3	25 82.9		169 57.5	117 53.8	52 68.1		447 57.8	245 55.4	202 60.9	
Motor vehicle accidents (E810-E825)	58 23.6	52 24.2	6 19.9		87 29.6	68 31.3	19 24.9		128 16.3	80 18.1	46 13.9	
All other accidents & adverse effects (E830-E807, E826-E949)	58 23.6	50 23.2	8 26.5		72 24.5	55 25.3	17 22.3		171 22.1	98 22.2	73 22.0	
Suicide (E950-E959)	35 14.3	34 15.8	1 3.3		28 8.9	22 10.1	4 5.2		102 13.2	82 18.5	19 5.7	
Homicide & legal intervention (E960-E978)	11 4.5	8 3.7	3 9.9		34 11.6	21 9.7	13 17.0		155 20.0	40 9.0	115 34.7	
All other external causes (E980-E999)					4 1.4	2 0.9	2 2.6		4 0.5	3 0.7	1 0.3	

For definitions of certain terms and explanation of rates, see the Introduction of this Bulletin.
Totals of events may include items with race not stated.

TABLE IX—BIRTHS AND DEATHS IN HOSPITALS WITH PERCENTAGES, FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, RESIDENT AND RECORDED DATA, TENNESSEE, 1981

CITY OR COUNTY	BIRTHS						DEATHS						COUNTY	BIRTHS						DEATHS					
	Resident			Recorded			Resident			Recorded				Resident			Recorded			Resident			Recorded		
	Total	In Hospital		Total	In Hospital		Total	In Hospital		Total	In Hospital			Total	In Hospital		Total	In Hospital		Total	In Hospital		Total	In Hospital	
		No.	Per- cent		No.	Per- cent		No.	Per- cent		No.	Per- cent			No.	Per- cent		No.	Per- cent		No.	Per- cent		No.	Per- cent
THE STATE	67,050	66,294	98.9	70,747	69,834	98.7	40,480	25,262	62.4	42,946	27,555	64.2	Franklin	433	429	99.1	516	515	99.8	288	179	62.2	286	178	62.2
Gibson	592	587	99.2	321	316	98.4	611	407	66.6	541	302	55.8	Giles	332	328	98.8	173	173	100.0	226	147	65.0	149	91	54.4
Grainger	196	195	99.5				152	87	57.2	61			Greene	668	667	99.9	721	721	100.0	489	304	64.8	114	337	65.6
Grundy	210	156	74.3	154	32	20.8	147	81	55.1	59	10	16.9	Hamblen	632	629	99.5	931	930	99.9	418	324	77.5	409	335	81.9
Hamilton	4,175	4,144	99.3	5,374	5,360	99.7	2,596	1,524	58.7	2,967	1,877	63.3	Hancock	81	80	98.8	50	50	100.0	70	47	67.1	44	24	54.5
Hardeman	379	378	99.7	121	121	100.0	217	143	65.9	190	120	63.2	Hardin	267	265	99.3	4	2	50.0	204	131	64.2	174	98	56.3
Hardin	267	265	99.3	4	2	50.0	204	131	64.2	174	98	56.3	Hawkins	510	505	99.0	142	138	97.2	369	255	69.1	189	87	46.0
Hawkins	510	505	99.0	142	138	97.2	369	255	69.1	189	87	46.0	Haywood	344	336	97.7	250	243	97.2	190	143	75.3	158	114	72.2
Haywood	344	336	97.7	250	243	97.2	190	143	75.3	158	114	72.2	Henderson	290	288	99.3	122	121	99.2	235	161	68.5	181	106	58.6
Henderson	290	288	99.3	122	121	99.2	235	161	68.5	181	106	58.6	Henry	362	355	98.1	386	380	98.4	345	231	67.0	308	198	64.3
Henry	362	355	98.1	386	380	98.4	345	231	67.0	308	198	64.3	Hickman	204	187	91.7	2			153	99	64.7	101	51	50.5
Hickman	204	187	91.7	2			153	99	64.7	101	51	50.5	Houston	70	70	100.0	86	86	100.0	85	55	64.7	94	64	68.1
Houston	70	70	100.0	86	86	100.0	85	55	64.7	94	64	68.1	Humphreys	224	223	99.6	119	119	100.0	152	107	70.4	94	53	56.4
Humphreys	224	223	99.6	119	119	100.0	152	107	70.4	94	53	56.4	Jackson	130	127	97.7	103	100	97.1	91	59	64.8	74	41	55.4
Jackson	130	127	97.7	103	100	97.1	91	59	64.8	74	41	55.4	Jefferson	359	357	99.4	187	186	99.5	264	172	65.2	219	120	54.8
Jefferson	359	357	99.4	187	186	99.5	264	172	65.2	219	120	54.8	Johnson	144	142	98.6	62	60	96.8	133	95	71.4	104	70	67.3
Johnson	144	142	98.6	62	60	96.8	133	95	71.4	104	70	67.3	Knox	4,327	4,290	99.1	6,507	6,464	99.3	2,872	1,480	51.5	3,838	2,336	60.9
Knox	4,327	4,290	99.1	6,507	6,464	99.3	2,872	1,480	51.5	3,838	2,336	60.9	Lake	84	84	100.0				94	47	50.0	17		
Lake	84	84	100.0				94	47	50.0	17			Lauderdale	390	387	99.2	3			281	183	65.1	182	91	50.0
Lauderdale	390	387	99.2	3			281	183	65.1	182	91	50.0	Lawrence	478	457	95.6	511	493	96.5	349	243	69.6	292	195	66.8
Lawrence	478	457	95.6	511	493	96.5	349	243	69.6	292	195	66.8	Lewis	135	90	66.7	240	62	25.8	73	51	69.9	49	30	61.2
Lewis	135	90	66.7	240	62	25.8	73	51	69.9	49	30	61.2	Lincoln	336	333	99.1	162	161	99.4	297	211	71.0	216	137	63.4
Lincoln	336	333	99.1	162	161	99.4	297	211	71.0	216	137	63.4	Loudon	337	335	99.4	86	65	98.5	316	186	58.9	201	81	40.3
Loudon	337	335	99.4	86	65	98.5	316	186	58.9	201	81	40.3	McMinn	560	556	99.3	605	603	99.7	409	252	61.6	432	251	58.1
McMinn	560	556	99.3	605	603	99.7	409	252	61.6	432	251	58.1	McNairy	282	277	98.2	440	434	98.6	212	156	73.6	145	89	61.4
McNairy	282	277	98.2	440	434	98.6	212	156	73.6	145	89	61.4	Macon	184	182	98.9	39	37	94.9	150	105	70.0	105	62	59.0
Macon	184	182	98.9	39	37	94.9	150	105	70.0	105	62	59.0	Madison	1,156	1,150	99.5	2,598	2,589	99.7	699	447	63.9	1,048	794	75.8
Madison	1,156	1,150	99.5	2,598	2,589	99.7	699	447	63.9	1,048	794	75.8	Marion	335	319	95.2				232	126	54.3	204	100	49.0
Marion	335	319	95.2				232	126	54.3	204	100	49.0	Marshall	234	234	100.0	75	75	100.0	223	122	54.7	206	98	47.6
Marshall	234	234	100.0	75	75	100.0	223	122	54.7	206	98	47.6	Maury	713	703	98.6	965	962	99.7	524	304	58.0	523	297	56.8
Maury	713	703	98.6	965	962	99.7	524	304	58.0	523	297	56.8	Meigs	101	101	100.0				65	33	50.8	27		
Meigs	101	101	100.0				65	33	50.8	27			Monroe	382	381	99.7	209	208	99.5	257	159	61.9	184	82	44.6
Monroe	382	381	99.7	209	208	99.5	257	159	61.9	184	82	44.6	Montgomery	1,741	1,731	99.4	1,156	1,146	99.1	503	298	59.2	458	250	54.6
Montgomery	1,741	1,731	99.4	1,156	1,146	99.1	503	298	59.2	458	250	54.6	Moore	51	50	98.0	1			34	18	52.9	1		
Moore	51	50	98.0	1			34	18	52.9	1			Morgan	233	229	98.3	3			153	84	54.9	55		
Morgan	233	229	98.3	3			153	84	54.9	55			Obion	413	410	99.3	697	691	99.1	372	233	62.6	351	222	63.2
Obion	413	410	99.3	697	691	99.1	372	233	62.6	351	222	63.2	Overton	216	211	97.7	245	240	98.0	159	109	68.6	141	91	64.5
Overton	216	211	97.7	245	240	98.0	159	109	68.6	141	91	64.5	Perry	61	57	93.4	10	10	100.0	89	56	62.9	74	44	59.5
Perry	61	57	93.4	10	10	100.0	89	56	62.9	74	44	59.5	Pickett	63	63	100.0				37	27	73.0	4		
Pickett	63	63	100.0				37	27	73.0	4			Polk	156	154	98.7	85	83	97.6	128	78	60.9	95	52	54.7
Polk	156	154	98.7	85	83	97.6	128	78	60.9	95	52	54.7	Putnam	595	591	99.3	847	842	99.4	364	204	56.0	372	200	53.8
Putnam	595	591	99.3	847	842	99.4	364	204	56.0	372	200	53.8	Rhea	328	325	99.1	237	236	99.6	202	147	72.8	141	85	60.3
Rhea	328	325	99.1	237	236	99.6	202	147	72.8	141	85	60.3	Roane	564	561	99.5	334	332	99.4	407	282	69.3	344	217	63.1
Roane	564	561	99.5	334	332	99.4	407	282	69.3	344	217	63.1	Robertson	549	544	99.1	290	287	99.0	333	209	62.8	278	139	50.0
Robertson	549	544	99.1	290	287	99.0	333	209	62.8	278	139	50.0	Rutherford	1,314	1,297	98.7	1,239	1,222	98.6	555	326	58.7	542	306	56.5
Rutherford	1,314	1,297	98.7	1,239	1,222	98.6	555	326	58.7	542	306	56.5	Scott	298	293	98.3	211	206	97.6	179	113	63.1	159	93	58.5
Scott	298	293	98.3	211	206	97.6	179	113	63.1	159	93	58.5	Squatchie	143	133	93.0	130	130	100.0	76	44	57.9	79	43	54.4
Squatchie	143	133	93.0	130	130	100.0	76	44	57.9	79	43	54.4	Sevier	594	582	98.0	257	253	98.4	304	184	60.5	233	108	46.4
Sevier	594	582	98.0	257	253	98.4	304	184	60.5	233	108	46.4	Shelby	13,932	13,807	99.1	17,597	17,394	98.8	6,653	4,354	65.4	8,635	6,286	72.8
Shelby	13,932	13,807	99.1	17,597	17,394	98.8	6,653	4,354	65.4	8,635	6,286	72.8	Smith	193	192	99.5	217	217	100.0	130	95	73.1	116	82	70.7
Smith	193	192	99.5	217	217	100.0	130	95	73.1	116	82	70.7	Stewart	102	99	97.1	2			95	52	54.7	34		
Stewart	102	99	97.1	2			95	52	54.7	34			Sullivan	1,748	1,744	99.8	2,713	2,709	99.9	1,191	835	70.1	1,597	1,231	77.1
Sullivan	1,748	1,744	99.8	2,713	2,709	99.9	1,191	835	70.1	1,597	1,231	77.1	Sumner	1,312	1,303	99.3	1,019	1,011	99.2	632	385	60.9	499	256	51.3
Sumner	1,312	1,303	99.3	1,019	1,011	99.2	632	385	60.9	499	256	51.3	Tipton	577	566	98.1	126	115	91.3	300	207	69.0	235	143	60.9
Tipton	577	566	98.1	126	115	91.3	300	207	69.0	235	143	60.9	Trousdale	92	92	100.0				61	40	65.6	54	25	46.3
Trousdale	92	92	100.0				61	40	65.6	54	25	46.3	Unicoi	205	204	99.5	1			163	112	68.7	95	52	54.7
Unicoi	205	204	99.5	1			163	1																	

** See explanation on page 10 of this Bulletin.

TABLE X—SELECTED RECORDED DATA REGARDING BIRTHS, FETAL DEATHS, AND DEATHS FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, TENNESSEE, 1981

CITY OR COUNTY	LIVE BIRTHS						FETAL DEATHS						DEATHS					
	TOTAL		In hospital	Not in Hospital Attended By			TOTAL		In hospital	Not in Hospital Attended By			TOTAL		Neonatal (Under 28 days)		Infant (Under 1 year)	
				Physician	Mid-wife#	Other or un-specified												
	No.	Rate*					No.	Ratio†					No.	Rate*	No.	Rate†	No.	Rate†
THE STATE	70,747	15.3	69,834	459	315	133	639	9.0	629	5	3	2	42,946	9.3	692	9.8	970	13.7
City—Total	57,849	26.8	57,523	209	62	51	519	9.0	515	3		1	30,699	14.2	606	10.5	823	14.2
Athens	491	40.2	489	1			6	12.2	6				265	21.7	11	4.1	4	8.1
Bartlett													3	0.2				
Bristol	1,173	48.6	1,173				8	6.8	7	1			508	21.0	8	6.8	9	7.7
Chattanooga	3,882	22.9	3,870	10		2	38	9.8	38				2,664	15.7	39	10.0	68	17.5
Clarksville	1,150	20.5	1,146	1	1	2	14	12.2	14				401	7.2	9	7.8	15	13.0
Cleveland	939	34.5	937	1		1	9	9.6	9				424	15.6	3	3.2	5	5.3
Columbia	963	36.1	962		1		3	3.1	3				482	18.1	1	1.0	2	2.1
Cookeville	844	40.6	842		2		6	7.1	6				308	40.6	1	1.2	3	3.6
Dyersburg	822	51.4	822				5	6.1	5				338	21.1	8	9.7	11	13.4
East Ridge	1,490	70.0	1,490				4	2.7	4				110	5.2				
Elizabethton	374	29.8	373		1		4	10.7	4				330	26.3	1	2.7	4	10.7
Franklin	329	25.2	329				4	12.2	4				269	20.6				
Gallatin	506	28.2	506				2	4.0	2				361	20.1			3	5.9
Germantown													2	0.1				
Greeneville	721	50.7	721				9	12.5	9				431	30.3	2	2.8	2	2.8
Hendersonville	450	16.1	445	2	1	2							51	1.8				
Humboldt	44	4.3	43		1								130	12.8			1	22.7
Jackson	2,597	52.8	2,589	7		1	24	9.2	24				1,033	21.0	13	5.0	18	6.9
Johnson City	1,694	39.6	1,692		1	1	16	9.4	16				1,066	24.9	17	10.0	24	14.2
Kingsport	1,537	47.7	1,536				16	10.4	16				1,007	31.2	13	8.5	18	11.7
Knoxville	3,431	19.6	3,404	4	20	2	26	7.6	26				2,442	13.9	32	9.3	45	13.1
Lawrenceburg	273	26.4	273				5	18.3	5				188	18.2	2	7.3	2	7.3
Lebanon	312	25.2	310	2			1	3.2	1				235	19.0	3	9.6	3	9.6
McMinnville	300	27.6	300				2	6.7	2				257	23.6	1	3.3	2	6.7
Maryville	697	39.2	696		1		4	5.7	4				515	29.0	3	4.3	4	5.7
Memphis	16,981	26.4	16,784	172	2	22	165	9.7	163	2			8,558	13.3	279	16.4	354	20.8
Millington													3	0.1				
Morristown	930	46.3	930				13	14.0	13				393	19.6	7	7.5	9	9.7
Murfreesboro	1,230	36.9	1,222	7	1		9	7.3	9				352	10.5	6	4.9	6	4.9
Nashville-Davidson Co.**	10,507	22.1	10,465	7	22	12	97	9.2	96			1	5,813	12.2	147	14.0	198	18.8
Oak Ridge	1,086	38.9	1,083		2	1	10	9.2	10				449	16.1	2	1.8	3	2.8
Paris	380	34.9	380				2	5.3	2				292	26.8			1	2.6
Red Bank													89	6.7				
Shelbyville	303	22.3	302	1			1	3.3	1				212	15.6	2	6.6	3	9.9
Springfield	289	26.3	287	1			4	13.8	4				234	21.3	1	3.5	1	3.5
Tullahoma	431	26.9	431										187	11.7				
Union City	693	65.8	691			2	12	17.3	12				297	28.2	4	5.8	5	7.2
COUNTY—(Including Cities)																		
Anderson	1,105	16.3	1,099		3	3	11	10.0	10		1		597	8.8	2	1.8	4	3.6
Bedford	306	10.9	302	1	2	1	1	3.3	1				220	7.8	2	6.5	3	9.8
Benton	2	0.1	1	1									177	11.6			1	
Bledsoe	26	2.7	25		1								49	5.0			1	38.5
Blount	701	8.9	696	4	1		4	5.7	4				563	7.1	3	4.3	4	5.7
Bradley	940	13.6	937	1		2	9	9.6	9				458	6.6	3	3.2	6	6.4
Campbell	492	13.6	490		2		6	12.2	5		1		295	8.2	1	2.0	2	4.1
Cannon	99	9.5	85		12	2	2	20.2	2				54	8.1	1	10.1	1	10.1
Carroll	238	8.4	235	1		2	2	8.4	2				251	8.8	1	4.2	1	4.2
Carter	376	7.4	373		3		4	10.6	4				357	7.0	1	2.7	4	10.6
Chestam	5	0.2		1	1	3							49	2.1				
Chester	2	0.2				1							42	3.3				
Claiborne	97	3.9	95	1		1	1	10.3	1				192	7.7			1	10.3
Clay	17	2.2	16		1		1	58.8	1				32	4.1				
Cocke	291	10.0	253	2	35	1	1	3.4	1				220	7.6	2	6.9	3	10.3
Coffee	582	15.0	579		1	2							312	8.0				
Crockett													39	2.6				
Cumberland	596	20.1	587		9		2	3.4	2				321	10.8	3	5.0	4	6.7
Davidson**	10,507	22.1	10,465	7	22	12	97	9.2	96			1	5,813	12.2	147	14.0	198	18.8
Decatur	70	6.4	67	1		2	1	14.3	1				99	9.0				
DeKalb	174	12.5	168		6		2	11.5	2				145	10.4			1	5.7
Dickson	306	9.9	304	2			3	9.8	3				284	9.1			1	3.3
Dyer	824	23.5	822		2		5	6.1	5				348	9.9	8	9.7	11	13.3
Fayette	205	8.1	198	3	1	3	2	9.8	2				150	5.9			1	4.9
Fentress	114	7.6	109	2	2	1	2	17.5	1		1		87	5.8				
Franklin	516	16.0	515	1			3	5.8	3				286	8.9			2	3.9
Gibson	321	6.5	316	4	1		4	12.5	3	1			541	11.0	2	6.2	4	12.5
Giles	173	7.0	173				1	5.8	1				149	6.0				
Grainger													61	3.6				
Greene	721	13.1	721				9	12.5	9				514	9.4	2	2.8	2	2.8

* Rate per 1,000 population.

#Includes certified nurse midwife, midwife, and nurse-midwife.

†Rate and ratio per 1,000 live births. These rates and ratios are not calculated when the number of births is less than 10.

**See explanation on page 10 of this Bulletin.

TABLE X (Continued)—SELECTED RECORDED DATA REGARDING BIRTHS, FETAL DEATHS, AND DEATHS FOR CITIES OF 10,000 OR MORE POPULATION AND FOR COUNTIES INCLUSIVE OF CITIES, TENNESSEE, 1981

COUNTY	LIVE BIRTHS						FETAL DEATHS						DEATHS					
	TOTAL		In hospital	Not in Hospital Attended By			TOTAL		In hospital	Not in Hospital Attended By			TOTAL		Neonatal (Under 28 days)		Infant (Under 1 year)	
				Physician	Mid-wife#	Other or un-specified				Physician	Mid-wife#	Other or un-specified						
	No.	Rate*	No.	Ratio†	No.	Ratio†	No.	Rate*	No.	Rate†	No.	Rate†						
Grundy	154	10.9	32	120		2	1	8.5		1		59	4.2	2	13.0	2	13.0	
Hamblen	931	18.5	930		1		13	14.0	13			409	8.1	7	7.5	9	9.7	
Hamilton	5,374	18.6	5,360	10	1	3	42	7.8	42			2,967	10.3	39	7.3	69	12.8	
Hancock	50	7.2	50				1	20.0	1			44	6.4					
Hardeman	121	5.1	121				1	8.3	1			190	8.0			1	8.3	
Hardin	4	0.2	2			2						174	7.7			1		
Hawkins	142	3.2	138	2	1	1	1	7.0	1			189	4.2					
Haywood	250	12.4	243		6	1	2	8.0	2			158	7.8			3	12.0	
Henderson	122	5.6	121									181	8.3	2	16.4	3	24.6	
Henry	386	13.2	380	1	4	1	2	5.2	2			308	10.5			1	2.6	
Hickman	2	0.1		1		1						101	6.5					
Houston	86	12.4	86									94	13.5					
Humphreys	119	7.3	119				1	8.4	1			94	5.8					
Jackson	103	10.8	100		2	1						74	7.8					
Jefferson	187	5.9	186			1	4	21.4	4			219	6.9					
Johnson	62	4.5	60	2								104	7.5					
Knox	6,507	20.3	6,464	5	35	2	67	10.3	67			3,838	12.0	94	14.4	124	19.1	
Lake												17	2.3					
Lauderdale	3	0.1		1		2						182	7.3	1		2		
Lawrence	511	14.8	493	10	8		7	13.7	7			292	8.4	3	5.9	4	7.8	
Lewis	240	23.8	62	81	95	2	2	8.3	2			49	4.9					
Lincoln	162	6.1	161			1						216	8.1					
Loudon	66	2.3	65	1			1	15.2	1			201	6.9					
McMinn	605	14.3	603	1			7	11.6	6		1	432	10.2	2	3.3	4	6.6	
McNairy	440	19.2	434	2		4	7	15.9	7			145	6.3					
Macon	39	2.4	37		1	1						105	6.5					
Madison	2,598	34.8	2,589	7		2	24	9.2	24			1,048	14.0	13	5.0	18	6.9	
Marion												204	8.2					
Marshall	75	3.8	75									206	10.4			1	13.3	
Maury	965	18.7	962		3		3	3.1	3			523	10.1	1	1.0	2	2.1	
Meigs												27	3.5			1		
Monroe	209	7.2	208			1						184	6.3			2	9.6	
Montgomery	1,156	13.6	1,146	3	2	5	14	12.1	14			458	5.4	9	7.8	15	13.0	
Moore	1	0.2		1								1	0.2					
Morgan	3	0.2			3							55	3.2					
Obion	697	21.1	691		4	2	12	17.2	12			351	10.6	4	5.7	5	7.2	
Overton	245	13.7	240		3	2	2	8.2	2			141	7.9			1	4.1	
Perry	10	1.6	10									74	11.9					
Pickett												4	0.9					
Polk	85	6.2	83			2	1	11.8	1			95	6.9					
Putnam	847	17.5	842		4	1	6	7.1	6			372	7.7	1	1.2	3	3.5	
Rhea	237	9.5	236			1	3	12.7	3			141	5.6					
Roane	334	6.8	332		2		2	6.0	2			344	7.0	1	3.0	1	3.0	
Robertson	290	7.6	287	1		2	4	13.8	4			278	7.3	1	3.4	1	3.4	
Rutherford	1,239	14.5	1,222		16	1	9	7.3	9			542	6.3	6	4.8	6	4.8	
Scott	211	10.7	206	2	2	1	3	14.2	3			159	8.0					
Sequatchie	130	14.6	130									79	8.9	1	7.7	2	15.4	
Sevier	257	5.9	253		2	2	6	23.3	6			233	5.4			1	3.9	
Shelby	17,597	22.7	17,394	172	2	28	167	9.5	165	2		8,635	11.2	279	15.9	356	20.2	
Smith	217	14.3	217									116	7.6	2	9.2	2	9.2	
Stewart	2	0.2				2						34	3.9					
Sullivan	2,713	18.7	2,709	1	1	2	24	8.8	23	1		1,597	11.0	21	7.7	27	10.0	
Sumner	1,019	11.3	1,011	2	2	4	2	2.0	2			499	5.5			3	2.9	
Tipton	126	3.8	115	2	3	6						235	7.1			5	39.7	
Trousdale												54	8.6					
Unicoi	1	0.1										95	5.8					
Union	3	0.2			1	2						43	3.6					
Van Buren												8	1.7					
Warren	301	9.1	300		1		2	6.6	2			262	7.9	1	3.3	2	6.6	
Washington	1,695	19.0	1,692		1	2	16	9.4	16			1,176	13.2	17	10.0	25	14.7	
Wayne	40	2.8	39			1						83	5.9	1	25.0	4	100.0	
Weakley	225	6.8	223	1		1	2	8.9	2			242	7.4	2	8.9	3	13.3	
White	105	5.3	105									175	8.8	1	9.5	3	28.6	
Williamson	329	5.3	329				4	12.2	4			303	4.9					
Wilson	313	5.3	310	2		1	1	3.2	1			293	5.0	3	9.6	3	9.6	

* Rate per 1,000 population.

#Includes certified nurse midwife, midwife, and nurse-midwife.

†Rate and ratio per 1,000 live births. These rates and ratios are not calculated when the number of births is less than 10.

TABLE XI—NUMBER OF INDUCED ABORTIONS BY RACE OF WOMAN, BY COUNTY,
RESIDENT AND RECORDED DATA, TENNESSEE, 1981

COUNTY	Induced Abortions						COUNTY	Induced Abortions					
	Resident			Recorded				Resident			Recorded		
	All Races	White	All Other Races	All Races	White	All Other Races		All Races	White	All Other Races	All Races	White	All Other Races
THE STATE	117,744	113,224	4,497	21,911	16,596	5,289	Knox	2,121	1,809	309	5,194	4,724	461
Anderson	234	220	14	5	5		Lake	13	13				
Bedford	57	46	11				Lauderdale	62	42	20			
Benton	34	33	1				Lawrence	41	41				
							Lewis	12	11	1			
Bledsoe	22	21	1				Lincoln	5	5				
Blount	313	286	27	10	7	3	Loudon	95	92	3			
Bradley	172	159	13				McMinn	109	97	12			
Campbell	66	66					McNairy	37	35	2			
Cannon	17	17					Macon	41	41				
							Madison	332	214	118	3	2	1
Carroll	60	44	16				Marion	62	57	5	7	6	1
Carter	61	59	2	239	229	10	Marshall	42	36	6			
Chestam	57	57					Maury	141	102	39			
Chester	23	18	5				Meigs	24	24				
Claiborne	43	42	1				Monroe	78	70	8			
Clay	2	2					Montgomery	339	252	86			
Cocke	87	74	13				Moore	5	4	1			
Coffee	103	96	7				Morgan	22	22				
Crockett	33	27	6				Obion	50	42	8	3	3	
Cumberland	70	70					Overton	14	14				
Davidson	2,756	1,925	824	6,031	4,741	1,279	Perry	9	8	1			
Decatur	14	13	1				Pickett	4	4				
DeKalb	23	21	1				Polk	24	23	1			
Dickson	80	73	7				Putnam	173	165	8	1	1	
Dyer	80	65	15				Rhea	39	38	1			
Fayette	59	31	28				Roane	144	138	6			
Fentress	21	21					Robertson	68	55	13			
Franklin	57	51	6	30	24	6	Rutherford	395	355	40	34	30	4
Gibson	106	77	28				Scott	35	34				
Giles	39	32	7				Sequatchie	16	16				
Granger	29	28	1				Sevier	173	172	1			
Greene	131	122	9				Shelby	4,574	2,437	2,133	8,126	5,055	3,066
Grundy	16	15	1				Smith	29	27	2			
Hamblen	152	131	21				Stewart	10	8	2			
Hamilton	1,251	858	393	2,094	1,649	444	Sullivan	358	346	11	118	108	10
Hancock	5	5					Sumner	258	247	11	1	1	
Hardeman	57	34	23				Tipton	79	57	22			
Hardin	59	54	5				Trousdale	9	7	2			
Hawkins	105	97	7				Unicoi	30	30				
Haywood	46	25	21				Union	14	14				
Henderson	48	32	16				Van Buren	5	5				
Henry	63	50	13	3	2	1	Warren	81	76	4			
Hickman	31	29	2				Washington	291	281	9	10	8	2
Houston	10	10					Wayne	7	7				
Humphreys	30	29	1				Weakley	94	85	9			
Jackson	5	5					White	24	21	2			
Jefferson	96	90	6				Williamson	169	138	31			
Johnson	13	13		1	1		Wilson	148	131	17	1		1

Totals may include one or more events with race not stated.

† Includes events for Tennessee residents with county not stated.

TABLE XII--SELECTED DATA ON MARRIAGES AND DIVORCES BY RECORDED COUNTY,
TENNESSEE, 1981

COUNTY	Marriages Recorded			Divorces Recorded			COUNTY	Marriages Recorded			Divorces Recorded		
	No.	Persons Married		No.	Persons Divorced			No.	Persons Married		No.	Persons Divorced	
		No.	Rate*		No.	Rate*			No.	Rate*		No.	Rate*
Total	60,058	120,116	25.9	31,135	62,270	13.4	Lake	71	142	19.2	50	100	13.5
Anderson	803	1,606	23.6	430	860	12.7	Lauderdale	323	646	25.9	196	392	15.7
Bedford	441	882	31.4	196	392	13.9	Lawrence	329	658	19.0	195	390	11.3
Benton	220	440	28.9	115	230	15.1	Lewis	97	194	19.2	87	174	17.2
Bledsoe	92	184	19.0	47	94	9.7	Lincoln	322	644	24.2	160	320	12.0
Blount	756	1,512	19.1	652	1,304	16.5	Loudon	335	670	23.1	188	376	13.0
Bradley	583	1,166	16.9	519	1,038	15.0	McMinn	565	1,130	26.7	297	594	14.0
Campbell	3,207	6,414	177.9	225	450	12.5	McNairy	246	492	21.4	184	368	16.0
Cannon	310	620	59.4	36	72	6.9	Macon	175	350	21.7	87	174	10.8
Carroll	347	694	24.4	171	342	12.0	Madison	784	1,568	21.0	470	940	12.6
Carter	517	1,034	20.4	176	352	6.9	Marion	256	512	20.6	185	370	14.9
Cheatham	216	432	18.8	137	274	11.9	Marshall	270	540	27.1	132	264	13.3
Chester	135	270	21.0	514	1,028	80.0	Maury	511	1,022	19.8	336	672	13.0
Claiborne	881	1,762	70.2	37	74	2.9	Meigs	70	140	18.1	41	82	10.6
Clay	481	962	123.8	41	82	10.6	Monroe	328	656	22.5	175	350	12.0
Cocke	404	808	27.8	219	438	15.0	Montgomery	1,357	2,714	31.8	788	1,576	18.5
Coffee	449	898	23.1	210	420	10.8	Moore	63	126	27.1	16	32	6.9
Crockett	182	364	24.4	80	160	10.7	Morgan	168	336	19.8	98	196	11.6
Cumberland	394	788	26.6	144	288	9.7	Obion	381	762	23.1	227	454	13.8
Davidson	4,821	9,642	20.3	3,759	7,518	15.8	Overton	274	548	30.7	70	140	7.8
Decatur	104	208	18.9	47	94	8.6	Perry	59	118	19.0	29	58	9.3
DeKalb	206	412	29.7	98	196	14.1	Pickett	262	524	118.6	22	44	10.0
Dickson	353	706	22.7	211	422	13.6	Polk	117	234	17.0	63	126	9.2
Dyer	470	940	26.8	265	530	15.1	Putnam	482	964	20.0	319	638	13.2
Fayette	255	510	20.1	325	650	25.6	Rhea	304	608	24.3	174	348	13.9
Fentress	384	768	51.0	109	218	14.5	Roane	521	1,042	21.1	394	788	15.9
Franklin	281	562	17.4	175	350	10.8	Robertson	4,171	8,342	219.5	208	416	10.9
Gibson	529	1,058	21.5	311	622	12.6	Rutherford	763	1,526	17.8	593	1,186	13.9
Giles	246	492	19.9	155	310	12.5	Scott	294	588	29.7	96	192	9.7
Grainger	134	268	15.8	112	224	13.2	Sequatchie	109	218	24.5	61	122	13.7
Greene	576	1,152	21.0	427	854	15.6	Sevier	952	1,904	44.0	296	592	13.7
Grundy	163	326	23.0	63	126	8.9	Shelby	8,372	16,744	21.6	3,203	6,406	8.3
Hamblen	657	1,314	26.1	471	942	18.7	Smith	204	408	26.8	90	180	11.8
Hamilton	2,419	4,838	16.8	2,326	4,652	16.1	Stewart	74	148	16.8	54	108	12.2
Hancock	122	244	35.3	35	70	10.1	Sullivan	1,622	3,244	22.4	1,029	2,058	14.2
Hardeman	208	416	17.5	151	302	12.7	Sumner	1,685	3,370	37.4	607	1,214	13.5
Hardin	214	428	18.9	146	292	12.9	Tipton	567	1,134	34.0	765	1,530	45.9
Hawkins	394	788	17.6	178	356	7.9	Trousdale	427	854	136.5	36	72	11.5
Haywood	209	418	20.7	115	230	11.4	Unicoi	183	366	22.3	104	208	12.7
Henderson	288	576	26.4	132	264	12.1	Union	174	348	29.0	74	148	12.3
Henry	335	670	22.9	199	398	13.6	Van Buren	49	98	20.2	32	64	13.2
Hickman	140	280	18.1	73	146	9.4	Warren	341	682	20.5	236	472	14.2
Houston	66	132	19.0	26	52	7.5	Washington	897	1,794	20.1	622	1,244	13.9
Humphreys	180	360	22.2	29	58	3.4	Wayne	130	260	18.5	65	130	9.2
Jackson	182	364	38.1	38	76	8.0	Weakley	348	696	21.2	190	380	11.6
Jefferson	336	672	21.2	186	372	11.7	White	201	402	20.2	145	290	14.6
Johnson	148	296	21.3	110	220	15.8	Williamson	505	1,010	16.3	350	700	11.3
Knox	3,793	7,586	23.7	2,693	5,386	16.8	Wilson	681	1,362	23.2	382	764	13.0
							Other State*	8	16				

* Rate per 1,000 population.

† Includes those who received a license in Tennessee but were married in another state.